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ABSTRACT

The series of analytic reports on management and salary data of the academic libraries, paralleling the series titled "Library Statistics of Colleges and Universities, Institutional Data," is continued by this publication. The statistical tables of this report are of value to administrators, librarians, and others because: (1) they help round out the picture of National library resources, (2) they provide a factual basis for comparing library resources and services with ALA - recommended standards, (3) they are useful in the formulation of budgets and self-studies, (4) they provide basic data for further research in the development of academic libraries and (5) they provide guidelines for accrediting associations and academic library consultants. The following items are covered for the first time in this report: (1) volumes withdrawn, (2) physical units of various types of microforms, (3) number of interlibrary loan transactions and (4) library operating expenditure per full-time equivalent (FTE) faculty members. (Author/NH)

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HIGHLIGHTS

Although the total number of volumes held by the Nation's academic libraries increased from 177 million to 227 million during the period 1959–60 to 1963–64, enrollment rose at an even faster rate. As a result the number of volumes *per student* decreased from 52 to 47 over the 4-year period.

Meanwhile, operating expenditures of the libraries rose from $137 million to $246 million. Such expenditures, taken as a proportion of total institutional expenditures for education and general purposes, rose from 3.0 to 3.3 percent. The share of library operating expenditures attributable to salaries and wages decreased slightly—from 61 to 59 percent—while the portion attributable to books and other library materials increased from 30 to 32 percent. Other expenditures (including binding, but excluding capital outlay) accounted for approximately 9 percent of total library operating expenditures in each year.

Reflecting the shortage of professional librarians, the number of budgeted vacancies increased from 504 to 632 (25 percent) from fall 1960 to fall 1963.

Projections of the Office of Education indicate that by 1974–75 the operating expenditures of academic libraries should approach $900 million, and total volumes will probably exceed 450 million, or nearly double the 1963–64 holdings.

Data on interlibrary loan transactions were obtained in the 1963–64 survey for the first time in recent years. The total number of such transactions among the 2,140 academic libraries approached 700,000 with the libraries in California alone reporting 87,000 transactions.

Although the publicly-controlled universities have over twice as many students as the privately-controlled universities (1,328,000 to 630,000), the publicly controlled universities have only 19 percent more volumes. From 1961–62 to 1963–64 the library staffs of all types of institutions, both publicly and privately controlled, showed substantial gains. The gain was largest—25 percent—for the publicly controlled liberal arts college libraries.

Despite the relatively great library holdings of the institutions with larger enrollments, the per student and per faculty expenditures for libraries are significantly larger in the institutions with relatively small enrollments.

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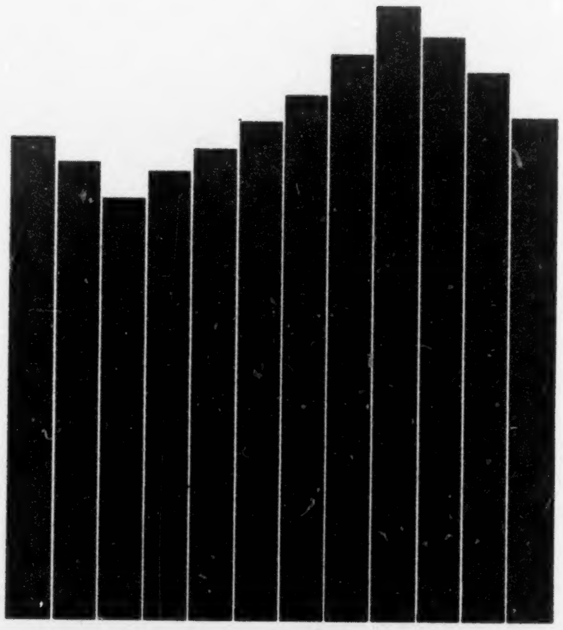

Library Statistics of Colleges and Universities, 1963-64

Analytic Report

by
Theodore Samore

LI 001 815

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FOREWORD

This publication continues the series of analytic reports on management and salary data of academic libraries, paralleling the series titled *Library Statistics of Colleges and Universities, Institutional Data*. We in the Office of Education have been gratified by the way in which these analytical and institutional reports have been received. In this report some statistical refinements have been made in an effort to present still more meaningful and useful data.

Despite certain limitations of the data, the statistical tables of this report are of value to administrators, librarians, and others for the following reasons:

- The tables help to round out the picture of National library resources.
- They provide a factual basis for comparing library resources and services with ALA-recommended standards.
- They are useful in the formulation of budgets and self-studies.
- They provide basic data for further research in the development of academic libraries.
- They provide guidelines for accrediting associations and academic library consultants.

We extend our thanks to the many librarians and administrators of institutions of higher education who helped make the publication possible by supplying data to the Office of Education during the annual survey of academic libraries.

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Chapter 1

INTRODUCTION AND DEFINITION OF TERMS

This report provides an analysis of academic library data for the year 1963–64 and selected trend data for the 5-year period 1959–60 through 1963–64.[1] For the 40 largest libraries, data covering the year 1964–65 are also included.

From a statistical standpoint, the basic units of the survey are the institutions' libraries, rather than the institutions themselves. In a few instances, a single institution has two or more libraries which, because of basic differences in administrative structure and in the services they perform, are counted as separate library units (e.g., the main library and the Barnard College Library of Columbia University). The reverse situation also occurs—two or more autonomous institutions are sometimes served by a single library or library system (e.g., the Honnold Library, serving the Claremont Graduate School, Claremont Men's College, Harvey Mudd College, and Pomona College). In these instances, only one library is counted for the several institutions concerned. As a result, the universe of academic libraries covered in the survey was 2,075 in 1962–63, and 2,140 in 1963–64.

For brevity in this report, the terms "management data" and "salary data" are used to distinguish between the two kinds of data requested on the survey form (see the Appendix). Management data concern the items on library resources, personnel, expenditures, and services. Salary data refer to the distributions of salaries paid for *particular positions* (as distinct from the total salary expenditure, regardless of positions, that is included with the management data).

In both 1962–63 and 1963–64 over 95 percent of the universe of libraries submitted usable reports on *management* data; for the non-reporting libraries it was possible to arrive at estimates for the management items through the use of various other sources, particularly the information provided by the same libraries in earlier surveys.

Usable *salary data* for 1962–63 and 1963–64 were available from approximately 90 percent of the libraries. Since estimates of salary data from other sources were not feasible, the tables on salary items do not represent the whole universe.

Except for certain data on trends, tabulations in this report are by control, type of library, and size of enrollment. Since the number of students enrolled in an institution has a bearing on the size of its library collection and other library resources, comparisons among institutions with enrollments of similar size are of particular interest. Statistical breakdowns are more often shown for the 4-year than for the 2-year institutions, because the 4-year institutions are more numerous and make a relatively large contribution to the total statistical picture.

The following items are covered for the first time in this report:

Volumes withdrawn.
Physical units of various types of microform.
Number of interlibrary loan transactions.
Library operating expenditure per full-time equivalent (FTE) faculty member.

The data of this report are subject to the following qualifications:

(a) *Incomplete reporting of component libraries.* Although the survey form requested the inclusion of all library units of the institution, a small number of respondents are unable to collect information on some branch or extension center libraries, so that the data are not complete for a few library systems.

(b) *Inability to provide requisite breakdowns.* Due to record-keeping practices which vary from one institution to another, some libraries cannot, for example, separate the expenditures for binding from those for books and other library materials.

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[1] **Detailed data for 1959–62 were provided in the previous reports of this series: *Library Statistics of Colleges and Universities, 1959–60; 1960–61;* and *1961–62* (OE–15031–60; OE–15031–61; OE–15031–62).**

(c) *Reluctance to report salary data.* A substantial number of institutions did not report salary data. These respondents are either not privileged to disclose salary information or they prefer not to report it.

(d) *Inconsistent or noncomparable reporting.* For example, clear instructions were not provided for reporting microform holdings until 1963–64, nor for periodicals as distinct from other serials until 1964–65. Even when new definitions are provided, however, at least a year is often needed to make appropriate changes in the record systems of some institutions.

Beginning with the 1961–62 analysis, the following statistical measures were used in the management tables: 10th percentile, median, mean and 90th percentile. The lowest and highest values have been omitted from the tables on management data since they are less stable measures of variability than the 10th and 90th percentile values.

The statistical measures for salary tables have been substantially improved over those for 1961–62, so that these tables now utilize statistical measures like those in the management tables; in addition, highest and lowest salaries are shown.

As noted in the 1961–62 report, the use of first and third quartiles was discontinued because those values are not as stable or reliable as the 10th- and 90th-percentile values. The difference between the 10th and 90th percentiles may be termed the 10—90-percentile range, or simply the "10—90 range." Whereas the "interquartile range" (the difference between the first and third quartile) covers the middle 50 percent of the cases, the 10—90 range covers the middle 80 percent and is about 1.9 times as large, on the average, as the interquartile range.

No measure of variability is stable when based on only a few cases, and for that reason the 10th and 90th percentile values are omitted from the tables when the number of cases is less than 20 (e.g. in tables 10B or 27).

For both the management and the salary data, the distributions tend to be positively skewed, that is, there are more very high values than very low ones. When this is the case, the mean tends to be higher than the median, and it is desirable to present both the mean and the median, if only to indicate that such skewness exists. Thus, when the excess of the mean over the median is large, the reader may assume that high values are disproportionately frequent.

Below are definitions of the terms used in the text and tables of this publication:

Academic library: The library of an institution of higher education.

Binding: The binding, lettering, or other physical restoration or preservation of books and other materials; generally, a library's commercial binding operations.

Books and other library materials: Books, periodicals, newspapers, manuscripts, prints, maps, slides, filmstrips, microprints, microfilms, motion picture films, sound recordings, realia, and other similar material for the organized collection of the library. This does *not* include equipment with which to see, hear, or read the items (e.g., projectors, phonographs, readers, etc.).

Control: An institution's primary source of financial support and the final arbiter of its policies, i.e., city, regional, or State bodies in the case of publicly controlled institutions, and private or church corporations in the case of privately controlled institutions.

Contributed services: Library work performed without compensation by denominational groups, including members of religious orders. Contributed services are evaluated on a par with salaries paid to lay staff in the same institution.

Enrollment, graduate: The aggregate of students working at a level above the bachelor's or first-professional degree, and also special and unclassified students working primarily at the graduate level.

Expenditure percentage: The quotient of the library operating expenditures (see below) divided by the total institutional expenditures (see below). The "expenditure percentage" reported here corresponds to the "percent of total expenditure" used in the 1961–62 report.

Full-time equivalents (FTE): The total number of hours worked per week by all part-time personnel divided by the number of hours in the full-time work week, plus the number of full-time staff.

Junior college: See Types of institution.

Liberal arts college: See Types of institution.

Library operating expenditures: The total amount spent for library salaries, wages, library materials, binding, and "other operating expenditures" (see below).

Other operating expenditures: Expenses for such items as supplies, transportation, entertainment, printing, etc.—exclusive of expenditures for buildings, sites, equipment for new buildings or additions to old buildings, and the costs of building operation and maintenance.

Other professional school: See Types of institution.

Periodical: A serial publication which constitutes one issue in a continuous series under the same title, usually published at regular intervals over an indefinite period, individual issues in the series being numbered consecutively or each issue being dated. Periodicals are a subdivision of serials (see below).

Professional employee: An employee who performs work requiring education, training, and skill in the theoretical or scientific aspects of library work as distinct from its mechanical and clerical aspects.

Serial: A publication issued in successive parts, usually at regular intervals, and as a rule, intended to be continued indefinitely. Serials include periodicals, newspapers, annuals (reports, year-books, etc.), memoirs, proceedings, transactions of societies, and may include monographic and publishers' series.

Student assistance: The work of student and other assistants who are employed on an hourly basis and who work less than a full-time work week.

Teachers college: See Types of institution.

Technological school: See Types of institution.

Theological school: See Types of institution.

Total institutional expenditures: A dollar figure (also known as total "education and general" expenditures), which includes expenditures by a college or university for general administration, instruction and departmental research, extension and public services, libraries, operation and maintenance of the physical plant, organized research, and organized activities relating to educational departments. The figure also includes expenditures directly related to sales and services of educational departments.

Types of institution:

University: An institution which gives considerable stress to graduate instruction, which confers advanced degrees as well as bachelor's degrees in a variety of liberal arts fields, and which has at least two professional schools that are not exclusively technological.

Liberal arts college: An institution in which the principal emphasis is on general undergraduate education.

Teachers college: An institution devoted primarily to teacher education.

Technological school: An institution which provides training predominantly in technological and physical science disciplines. The U.S. military-service schools fall under this designation.

Theological school: An institution in which the program offerings are wholly or principally in theology, religion, or religious education.

Other professional school: An institution offering programs of specialization exclusively, e.g., in the fine arts, medicine, law, business, pharmacy, optometry, etc.

Junior college: An institution which offers bachelor's degree-credit programs creditable by transfer to 4-year institutions, and/or programs designed either to prepare the student for immediate employment or to give him general education not chiefly transferable to baccalaureate programs in 4-year institutions. In this report the junior college category includes some technical institutes (primarily engineering-related) and semiprofessional schools (not primarily engineering-related) which offer programs designed to prepare for immediate employment or to provide general education not chiefly transferable to baccalaureate programs in liberal arts of preprofessional education.

Volume: For statistical purposes, a volume is a physical unit of any printed, typewritten, handwritten, mimeographed, or processed work contained in one binding or portfolio, hard-bound or paper-bound, which has been cataloged, classified, and/or made ready for use.

9–10 or 11–12 months: The number of months worked per year, or the number on which the salary contract is based.

Chapter 2

Résumé of National, Regional, and State Data, Including Trends Since 1959-60

Table A summarizes the Nation's college and university library resources over the past five years. It demonstrates steady improvement in some areas, standstill in a few areas, and regression in still others. For example, the number of volumes per student has dropped from 51.9 in 1959–60 to 47.3 in 1963–64, while the number of periodical titles per student has remained at 0.4.

Although the ratio of professional library staff to students has been rising, its 1963–64 level of 1:401 was still substantially below acceptable staffing standards. Also, while total library operating expenditures per student has risen appreciably —from $40.34 in 1959–60 to $51.25 in 1963–64— inflation and rising book prices have attenuated this increase.

Most striking, however, has been the shortage of professional librarians. The data of this series of reports show that in fall 1960 there were 504 budgeted vacancies, while in fall 1963 the number was 632 (table C), an increase of 25 percent.

Due to increases in enrollment, instructional staff, and library use, academic libraries are being hard put to maintain even present levels of library resources and services. The College Library Resources program (Title II, Part A, of the 1965 Higher Education Act, P.L. 89-329) should provide welcome and needed assistance.

The sharpest increases over the 5-year span (table A) have occurred in number of volumes annually acquired, and total operating expenditures. The increase per year for the former averaged over 10 percent; for the latter, over 15 percent. Table B projects these costs through 1975.

It seems inevitable that as more money becomes available, the cost of materials will increase to match the increased availability. For example, during the fiscal year ended June 30, 1966, over 1,800 Federal grants were awarded to academic institutions for the purchase of library materials. The total Federal sum was approximately $8.2 million. When this amount is added to the usual annual increase of about $10 million spent for library materials, the cost indexes should show a comparable increase. With the assistance of Federal funds it appears that academic libraries are in a "take-off" stage, and it seems likely that library resources and services 10 years from now will show little resemblance to present conditions. It is also worth noting that new academic institutions and new branches of institutions are being established at an average rate of 100 per year. This should mean at least 1,000 new institutions and branches by the fall of 1975. It also means 1,000 new library facilities, not counting the erection of new ones to replace inadequate facilities.

According to estimates of the Office of Education, expenditures of college and university libraries will total almost $900 million by 1974–75, and some $300 million of this sum will go toward purchasing library materials. Academic library resources will total over 450 million volumes, or nearly double the number of volumes reported in 1963–64.

Information about the extent of interlibrary loan activity is of particular interest, if only because data concerning this area are relatively sparse. Table D shows that during 1963–64 an estimated total of 700,000 interlibrary loan transactions occurred among American academic libraries. As is to be expected, the greater number of transactions occurred in States with the greater number of volumes. California reported approximately 87,000 transactions while New York reported 57,000. California appears to have a particularly effective interlibrary loan arrangement.

Table A.—Summary of college and university library statistics: Aggregate United States, 1959–64:

[Figures are rounded at levels appropriate to the precision of the data]

No.	Item	1959–60	1960–61	1961–62	1962–63	1963–64
1.	Number of libraries	1,951	1,975	1,985	2,075	2,140
2.	Number of students served (enrollment)	3,400,000	3,600,000	3,900,000	4,300,000	4,800,000
	COLLECTIONS					
3.	Number of volumes at end of year	176,700,000	189,100,000	201,400,000	215,000,000	227,100,000
4.	Number of volumes per student	51.9	52.4	51.6	49.4	47.3
5.	Number of volumes added during year	8,400,000	9,400,000	10,900,000	12,300,000	13,600,000
6.	Number of volumes added per student	2.5	2.6	2.8	2.8	2.8
7.	Number of periodicals received	1,300,000	1,400,000	1,500,000	1,600,000	1,800,000
8.	Number of periodicals per student	0.4	0.4	0.4	0.4	0.4
	PERSONNEL					
9.	All personnel (in full-time equivalents, excluding maintenance staff)	18,000	19,500	21,100	23,300	25,200
10.	Professional personnel	9,000	9,700	10,300	11,200	11,900
11.	Professional personnel as a percentage of total staff	50	50	49	48	47
12.	Nonprofessional personnel	9,000	9,800	10,800	12,100	13,300
13.	Nonprofessional personnel as a percentage of staff	50	50	51	52	53
14.	Ratio of professional staff to students	1:378	1:372	1:378	1:388	1:401
15.	Number of hours of student assistance	12,100,000	13,200,000	14,200,000	14,500,000	16,400,000
	OPERATING EXPENDITURES					
16.	Total operating expenditures (excludes capital outlay)	$137,200,000	$158,900,000	$183,900,000	$213,000,000	$246,700,000
17.	Operating expenditures per student	$40.34	$44.02	$47.10	$50.95	$51.25
18.	Operating expenditures as a percentage of educational and general expenditures	3.0	3.1	3.1	3.2	3.3
19.	Salaries (all personnel not on hourly rates)	$72,500,000	$83,800,000	$95,900,000	$113,000,000	$126,200,000
20.	Salaries as a percentage of operating expenditures	52.8	52.7	52.2	53.1	51.2
21.	Wages (at hourly rates of pay)	$11,700,000	$13,900,000	$15,500,000	$17,000,000	$19,000,000
22.	Wages as a percentage of operating expenditures	8.5	8.7	8.4	8.0	7.7
23.	Expenditures for books and library materials	$40,800,000	$48,300,000	$56,400,000	$65,000,000	$80,500,000
24.	Such expenditures as a percentage of operating expenditures	29.7	30.4	30.7	30.5	32.1
25.	Expenditures for binding	$4,900,000	$5,000,000	$6,200,000	$7,000,000	$7,900,000
26.	Such expenditures as a percentage of operating expenditures	3.6	3.2	3.4	3.3	3.7
27.	Other operating expenditures	$7,500,000	$7,900,000	$9,700,000	$11,000,000	$13,100,000
28.	Other operating expenditures as a percentage of operating expenditures	5.4	5.0	5.3	4.2	5.3

Table E lists the 40 largest [1] American academic libraries, ranked by size of collection (total volumes, column 3). Within the ensuing year or two, practically all of the libraries in this list will probably be reporting holdings of a million volumes or more.

Despite variations in the method of counting holdings and volumes added (e.g., some libraries do and others do not include microform), a key figure is the number of volumes added, which is shown in column 4. The highest ranking institution in this respect—as in most others—was Harvard University with nearly 258,000 volumes added in 1964–65. It may be noted that there are only seven States (other than Massachusetts)—California, Illinois, Michigan, New York, Ohio, Pennsylvania and Texas—in which the holdings of all academic libraries in the State are larger than the holdings of Harvard University alone.

The State data in table F show that New York, California, and Massachusetts (tied with Illinois) ranked one, two, and three, respectively, in number of volumes. It is of interest that in 1962, these

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[1] The data in table E are based on the returns from the 1964–65 survey, in which all of the larger institutions had responded by the time this report was prepared.

Table B.—Cost indexes for library materials: United States, actual[1] 1961 to 1965; projected[2] 1966 to 1975

Year	Hardbound Books (1957–59 = 100)	Periodicals (1957–59 = 100)	College Textbooks (1958 = 100)
1961	109.8	-----	102.8
1962	111.5	120.3	103.8
1963	123.8	128.3	104.9
1964	131.0	135.0	105.9
1965	144.5	141.3	106.9
1966	150.8	148.6	108.0
1967	159.7	155.6	109.0
1968	168.6	162.6	110.0
1969	177.5	169.6	111.1
1970	186.4	176.5	112.1
1971	195.2	183.5	113.1
1972	204.1	190.5	114.2
1973	213.0	197.4	115.2
1974	221.9	204.4	116.2
1975	230.8	211.4	117.3

[1] Source: "The Cost of Library Materials"; *1966 Bowker Annual*, N.Y., pp 100–108.

[2] National Center for Educational Statistics, Office of Education.

Table C.—Number of budgeted professional library vacancies, by type of institution: Aggregate United States, fall 1963

Type of Institution	Number of Libraries	Number of FTE* Vacancies
All institutions, total	2,131	632
Universities	170	294
Liberal arts colleges	792	176
Teachers colleges	186	63
Technological schools	51	27
Theological schools	194	28
Other professional schools	122	17
Junior colleges	613	27

*FTE = Full-time equivalent.

Table D.—State totals of interlibrary loan transactions: Aggregate United States, 1963–64

[The figures on transactions include both items borrowed and items lent. Total transactions = 699,800]

State or other area	Number of interlibrary loan transactions	State or other area	Number of interlibrary loan transactions
Alabama	4,500	Montana	3,000
Alaska	500	Nebraska	6,000
Arizona	5,500	Nevada	1,400
Arkansas	3,000	New Hampshire	5,000
California	87,000	New Jersey	8,600
Colorado	15,000	New Mexico	3,000
Connecticut	6,800	New York	57,000
Delaware	1,000	North Carolina	19,000
District of Columbia	8,500	North Dakota	2,000
Florida	14,500	Ohio	24,300
Georgia	12,000	Oklahoma	12,700
Hawaii	13,000	Oregon	16,400
Idaho	2,100	Pennsylvania	45,000
Illinois	38,000	Rhode Island	5,000
Indiana	18,500	South Carolina	3,700
Iowa	10,000	South Dakota	2,000
Kansas	12,000	Tennessee	16,000
Kentucky	7,500	Texas	40,000
Louisiana	14,000	Utah	6,000
Maine	2,000	Vermont	3,200
Maryland	12,600	Virginia	9,000
Massachusetts	41,000	Washington	13,000
Michigan	21,000	West Virginia	2,000
Minnesota	8,000	Wisconsin	18,700
Mississippi	3,600	Wyoming	2,000
Missouri	12,400	Puerto Rico	2,000

Table E.—Selected data for the 40 largest academic libraries: United States, 1964–65

[Institutions ranked by size of collection (column 3)]

Rank (1)	Institution (2)	Total volumes (3)	Volumes added (4)	Total staff in FTE (5)	Total library operating expenditures (6)	Staff salaries and wages (7)	Books & other library materials[1] (8)
1.	Harvard University	7,445,072	257,631	486	$5,760,585	$3,382,583	$1,433,351
2.	Yale University	[2] 4,826,148	128,281	434	3,029,624	2,249,059	642,291
3.	University of Illinois	3,888,983	150,049	348	3,418,200	2,083,646	1,183,408
4.	Columbia University	3,569,565	123,311	360	3,173,973	1,969,369	997,960
5.	University of Michigan	3,376,076	135,533	428	3,552,508	2,477,578	897,109
6.	University of California—Berkeley	3,113,024	165,594	373	4,588,759	2,947,622	1,381,015
7.	Cornell University	2,725,624	152,822	330	3,281,869	2,041,505	1,047,226
8.	Stanford University	2,560,220	181,745	267	2,626,046	1,611,474	814,131
9.	University of Chicago	2,406,142	109,390	206	2,110,586	1,230,173	692,648
10.	University of Minnesota	[2] 2,405,797	88,896	209	2,160,561	1,358,365	726,999
11.	University of California—Los Angeles	2,197,175	193,576	299	4,132,807	2,380,077	1,475,737
12.	University of Wisconsin	1,901,048	137,399	230	2,551,913	1,431,174	964,822
13.	University of Pennsylvania	1,894,480	89,880	218	1,824,686	1,171,498	580,125
14.	Indiana University	1,771,900		241	2,423,999	1,308,600	1,051,056
15.	Princeton University	1,769,699	65,934	202	1,597,881	881,283	595,666
16.	Ohio State University	1,748,943	88,173	215	2,019,516	1,304,521	580,732
17.	University of Texas	1,724,332	76,023	180	4,838,097	957,664	3,813,068
18.	Duke University	1,716,855	70,465	148	1,417,431	798,915	560,578
19.	Northwestern University	1,709,172	68,796	140	1,438,691	840,329	496,735
20.	New York University	1,535,583	68,439	192	1,584,079	932,727	484,939
21.	Johns Hopkins University	[2] 1,399,700	76,342	105	1,005,272	605,744	306,295
22.	University of Washington	1,390,636	69,741	279	2,452,199	1,614,557	679,417
23.	Univ. of North Carolina	1,314,359	79,763	134	1,513,317	812,235	600,924
24.	Louisiana State University	1,237,171	74,861	150	1,741,033	930,301	701,644
25.	University of Iowa	1,226,254	51,864	119	1,275,624	661,860	569,131
26.	University of Virginia	1,221,353	65,798	102	865,983	496,742	329,241
27.	Rutgers University	[2] 1,207,350	72,781	121	1,508,467	839,176	610,587
28.	University of Missouri	[2] 1,167,000	58,777	112	1,240,910	607,911	523,793
29.	Michigan State University	1,147,188	97,660	115	1,460,133	815,290	587,218
30.	University of Southern California	1,138,812	47,177	124	1,169,192	758,539	339,335
31.	University of Kansas	1,122,158	54,417	120	1,206,368	646,903	485,975
32.	Wayne State University	1,116,620	65,490	118	1,552,434	898,316	546,093
33.	Brown University	1,111,240	34,197	126	1,007,934	631,574	313,391
34.	University of Florida	1,087,665	52,268	153	1,418,317	853,263	480,646
35.	University of Kentucky	[2] 1,069,908	38,345	100	1,060,677	604,696	419,015
36.	University of Oregon	[2] 1,057,879	79,835	105	1,056,789	655,988	343,825
37.	University of Oklahoma	[2] 981,012	51,666	71	701,604	370,949	301,116
38.	Massachusetts Institute of Technology	959,212	64,367	141	1,003,942	724,287	240,649
39.	Joint University Libraries	[2] 947,941	40,370	97	800,736	457,337	289,442
40.	University of Colorado	946,435	70,119	136	1,451,715	944,768	451,212

[1] Includes binding. [2] Includes microform.

Table F.—State totals of volumes, personnel and operating expenditures in institutions of higher education: Aggregate United States, 1963–64.

State or other area	Total number of students (including terminal occupational)	Number of volumes at end of year	Number of volumes added during year	Number of volumes withdrawn during year	Number of physical units of microform at end of year	Number of periodicals being received at end of year	Number of hours of student assistance	Number of hours of other hourly assistance	Personnel in full-time equivalents		Operating expenditures in dollars					
									Professional	Nonprofessional	Total	Salaries	Wages	Books and other library materials	Binding	Other (excluding capital outlay)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
Alabama	51,437	2,469,194	130,891	10,903	7,402	17,461	256,875	4,710	140.8	135.3	2,305,630	1,227,391	158,733	711,031	96,346	112,129
Alaska	4,001	135,401	17,480	175	31,417	2,238	18,260	1,141	10.0	11.1	340,938	145,064	34,471	124,020	10,846	26,537
Arizona	50,460	1,481,568	92,594	10,958	183,982	11,393	98,729	16,694	74.5	99.0	1,929,128	803,527	150,874	855,012	55,409	64,306
Arkansas	33,214	1,291,616	67,119	3,750	144,866	10,193	150,217	650	74.2	45.1	1,147,479	585,451	84,705	391,725	38,676	46,922
California	690,727	18,405,745	1,483,042	104,509	1,579,253	216,838	1,735,602	132,112	1,306.2	1,535.1	31,772,482	16,459,347	2,831,162	9,862,118	1,055,588	1,564,267
Colorado	57,813	2,706,544	174,762	27,677	93,098	27,134	206,933	24,646	140.4	172.4	3,178,245	1,605,188	267,127	1,012,318	110,002	183,610
Connecticut	65,410	7,418,523	322,813	147,427	320,204	22,698	107,342	10,377	237.8	331.0	5,140,205	2,656,342	128,810	2,185,176	76,992	92,885
Delaware	10,841	414,193	24,124	1,472	56,772	3,888	23,244		21.7	41.5	497,677	237,845	22,756	195,093	23,427	18,556
District of Columbia	53,946	2,666,425	138,928	4,088	30,554	18,455	221,725	8,488	1,180.7	122.4	2,566,415	1,317,354	257,497	765,221	88,201	138,142
Florida	107,619	3,707,644	265,625	30,004	262,946	35,621	333,675	23,930	265.1	334.3	5,106,679	2,766,340	314,890	1,597,723	163,390	264,336
Georgia	62,344	3,510,000	216,363	18,675	363,265	25,626	252,805	10,867	219.0	199.5	3,752,667	1,965,569	209,269	1,249,562	150,408	177,859
Hawaii	14,493	510,119	38,147	1,974	167,629	3,854	76,033		42.0	39.3	843,285	413,348	91,518	265,869	22,641	49,909
Idaho	17,454	577,688	41,857	3,735	56,566	6,055	67,999	10,688	40.9	37.3	788,294	363,359	73,516	248,302	20,445	82,672
Illinois	263,516	15,968,662	781,494	74,770	868,249	130,634	1,060,293	29,103	694.0	718.7	15,436,247	8,232,924	1,161,820	4,754,790	381,857	904,856
Indiana	118,879	5,912,198	332,235	16,594	343,563	52,457	486,610	31,723	334.9	404.4	6,462,542	3,280,930	570,523	2,014,876	238,700	357,513
Iowa	69,755	3,829,109	203,409	25,532	63,395	26,529	265,546	28,041	173.9	194.7	3,761,418	1,873,715	321,728	1,216,806	165,174	183,995
Kansas	64,417	3,778,406	238,370	16,356	269,957	35,188	352,860	35,445	177.4	148.4	3,370,027	1,514,770	327,628	1,279,683	83,610	164,336
Kentucky	57,853	3,090,040	187,037	25,907	229,506	23,952	313,190	13,632	185.5	143.4	3,017,967	1,498,959	229,140	1,015,976	110,638	163,254
Louisiana	69,800	3,646,487	226,143	9,393	396,297	36,372	389,808	19,625	216.6	211.1	4,221,160	2,175,526	312,068	1,390,736	159,105	183,725
Maine	17,317	1,309,082	71,881	9,683	12,550	7,090	66,540	23,205	51.8	47.7	951,872	471,393	87,180	306,597	29,117	57,585
Maryland	75,505	3,795,847	284,865	9,775	28,305	28,955	186,274	19,982	208.8	219.4	4,026,750	2,135,269	201,799	1,392,892	130,272	166,518
Massachusetts	171,172	15,049,149	670,720	100,012	413,517	76,053	547,788	178,110	557.5	765.2	13,265,531	6,910,736	920,310	3,793,091	431,008	1,210,386
Michigan	209,605	8,363,361	528,054	43,106	366,622	56,728	780,502	53,368	458.9	466.2	9,448,429	5,096,184	918,472	2,725,210	262,069	446,494
Minnesota	96,866	4,766,171	242,293	35,803	70,145	29,278	345,564	12,514	221.9	178.1	4,296,039	2,178,518	403,745	1,388,134	128,089	197,553
Mississippi	42,827	1,669,449	98,254	4,711	16,248	14,481	184,975	8,504	108.0	80.1	1,577,068	796,724	131,547	520,374	79,090	49,333
Missouri	103,015	5,070,683	277,910	28,047	327,759	44,765	358,721	33,108	258.2	291.1	5,227,386	2,530,845	349,007	1,808,992	189,670	348,872
Montana	16,801	722,102	52,221	3,806	70,810	8,053	52,068	5,848	43.5	39.7	742,756	372,425	63,507	250,329	23,689	32,806
Nebraska	41,035	1,857,804	86,593	7,775	23,324	16,985	165,556	2,634	95.0	87.4	1,709,917	875,955	145,196	563,647	51,229	73,890
Nevada	5,599	258,912	34,834	295	277,737	2,696	39,811		23.0	31.0	612,767	312,936	48,166	207,083	28,626	15,956
New Hampshire	16,452	1,496,793	75,906	10,423	2,166	7,749	57,504	13,372	65.6	100.0	1,387,434	723,575	77,533	446,824	43,606	95,876
New Jersey	110,270	5,090,855	267,130	21,342	310,759	37,540	229,865	32,270	271.4	332.1	5,326,482	3,003,955	307,547	1,598,648	162,717	253,615
New Mexico	23,081	947,321	73,355	3,053	208,822	20,811	82,896	702	52.4	48.8	1,143,391	532,375	73,811	423,772	56,989	56,444
New York	490,559	22,012,842	1,384,313	157,741	1,466,803	158,078	1,234,529	253,653	1,337.8	1,522.9	26,916,836	14,309,740	2,025,336	8,420,949	686,192	1,474,619
North Carolina	93,045	6,064,668	381,667	18,192	534,916	45,980	485,848	39,221	305.9	343.2	6,710,187	3,094,772	442,826	2,631,985	238,161	302,443
North Dakota	17,618	793,129	45,333	6,901	78,527	6,527	74,530	6,384	38.0	20.1	646,672	312,868	70,976	211,423	23,283	28,122
Ohio	219,250	10,298,778	492,965	31,903	628,851	63,987	684,535	105,889	415.3	489.5	8,914,926	4,551,501	810,304	2,745,267	268,952	538,902
Oklahoma	71,684	3,100,999	196,466	19,524	251,352	22,907	303,646	3,600	139.4	117.9	2,513,574	1,220,994	225,495	845,996	93,016	128,073
Oregon	47,479	2,590,694	197,590	16,035	147,731	22,023	227,508	3,444	153.9	184.1	3,098,871	1,703,199	230,731	936,307	98,194	130,440
Pennsylvania	245,266	12,650,522	745,699	53,783	720,746	84,813	767,742	138,040	693.5	750.8	13,398,997	6,754,591	931,750	4,565,589	490,133	656,934
Rhode Island	25,040	1,562,239	76,768	2,451	114,922	12,456	74,630	7,296	74.1	101.6	1,435,534	760,717	86,334	465,125	48,610	74,748
South Carolina	37,363	2,065,902	121,294	8,886	390,555	14,715	135,916	9,522	93.5	95.2	1,860,518	812,016	110,790	727,807	72,917	136,988
South Dakota	17,244	818,919	43,282	6,510	28,951	7,997	82,430	16,677	41.0	23.3	705,487	328,049	82,548	235,003	27,845	32,042
Tennessee	77,317	3,935,758	230,711	10,662	321,330	28,135	404,533	6,616	199.9	202.0	3,902,859	1,807,706	297,262	1,460,277	136,626	200,988
Texas	237,183	10,389,753	694,179	34,750	423,351	80,641	1,013,820	56,210	492.9	586.7	10,948,385	4,804,367	855,656	4,353,907	373,036	561,419
Utah	47,023	1,905,557	195,138	7,264	268,343	17,262	237,863		84.7	114.8	1,960,498	860,308	243,445	670,441	63,537	122,767
Vermont	15,306	775,828	40,291	8,779	21,386	6,344	44,120	11,330	54.0	50.3	817,945	445,750	55,609	257,740	23,607	35,239
Virginia	79,282	4,378,005	243,582	14,121	358,939	29,159	245,900	29,388	184.9	235.9	3,727,626	1,988,038	244,862	1,206,110	129,909	158,707
Washington	87,884	3,532,908	192,359	15,053	625,147	40,478	336,810	47,718	220.3	301.6	4,784,731	2,616,792	423,638	1,280,064	182,741	281,496
West Virginia	36,134	1,397,826	102,355	8,791	32,656	10,883	135,924	1,600	66.6	90.0	1,472,081	722,189	102,925	507,880	60,236	78,851
Wisconsin	99,533	4,162,176	288,009	22,440	358,189	32,393	299,819	8,261	229.8	231.3	4,488,874	2,269,315	313,940	1,570,764	108,670	226,185
Wyoming	8,542	381,448	21,226	2,084	44,071	2,853	12,305	21,997	17.2	27.0	400,535	175,549	38,777	157,906	13,108	15,195
U.S. Service Schools	14,609	1,040,407	74,795	5,157	367,223	6,758			65.0	78.0	1,326,933	867,115		351,584	44,178	64,056
Canal Zone	924	5,900	3,900			95	600		1.0		25,227	7,700	1,377	15,700	450	
Guam	1,008	17,000	5,000	250		330	780		4.0	5.0	56,872	26,780	1,092	18,000	10,000	1,000
Puerto Rico	32,614	1,284,457	86,941	5,297	136,033	8,495	118,742	20,486	56.7	115.0	1,171,456	690,725	91,809	310,847	30,414	47,661
Virgin Islands	64	5,020	5,020			101	2,592		1.0	1.0	40,515	13,860	1,555	25,100		
Totals	4,795,495	227,087,826	13,615,341	1,268,304	14,918,707	1,761,190	16,440,932	1,572,821	11,862.0	13,298.0	246,680,446	126,208,480	18,965,112	80,533,401	7,891,441	13,082,012

same States also ranked one, two, three, and four when measured as recipients of Federal research money awarded to academic institutions. Indeed, these four States held some 70 million volumes or over 30 percent of all volumes reported for the aggregate United States.

Academic institutions in two States are acquiring volumes at a remarkable rate—California with 1.5 million and New York with 1.4 million. No other State comes even close to these figures. Illinois is third with 781,000 volumes.

The data on trends in table A are extensively supplemented by the data in tables G–N, which present median values of management items for 4-year institutions (tables G–K) and 2-year institutions (tables L–N), by control and enrollment size. Of interest is the perceptible drop in the median number of volumes held by public university libraries between 1961–62 and 1963–64. In 1961–62 half of all public universities reported at least 463,000 volumes; in 1963–64 the median had dropped to 434,000, a decrease of 7 percent.

Table G.—Median values for volumes, personnel, and operating expenditures of libraries in 4-year institutions enrolling 500–999 students, with percent changes: Aggregate United States, 1959–60 through 1963–64

[Expenditure data in thousands. Percent not computed when either figure is less than 30]

Category and control (1)	1959–60 (2)	1961–62 (3)	1962–63 (4)	1963–64 (5)	Percent change, 1962–63 to 1963–64 (6)	Percent change, 1959–60 to 1963–64 (7)
PUBLIC						
Volumes at end of year	32,700	34,021	37,272	42,842	15	31
Volumes added	1,400	1,728	2,220	3,148	42	125
Periodicals currently received	300	282	273	325	19	8
Total personnel (FTE)	4.0	3.5	4.0	4.0	---	---
Professional (FTE)	2.0	2.0	3.0	2.4	---	---
Nonprofessional (FTE)	1.0	1.0	2.0	2.0	---	---
Hours of student assistance	3,000	2,578	2,941	(NA)	---	---
Total operating expenditure	$28,000	31,573	38,057	44,187	16	58
Salaries and wages	$17,200	17,901	22,178	25,478	15	48
Materials and binding	$ 7,800	10,661	13,882	19,787	43	154
Other expenditures	$ 1,000	665	1,349	1,746	29	75
Expenditure per student	$ 36	44	50	60	20	67
Percent of total expenditure	3.9	4.4	4.2	5.0	---	---
PRIVATE						
Volumes at end of year	42,500	42,510	42,421	42,101	−1	−1
Volumes added	1,900	2,138	2,584	2,724	5	43
Periodicals currently received	300	300	310	320	3	7
Total personnel (FTE)	4.0	4.0	4.0	4.0	---	---
Professional (FTE)	2.0	2.0	2.0	2.0	---	---
Nonprofessional (FTE)	1.0	1.0	2.0	2.0	---	---
Hours of student assistance	3,300	3,240	3,530	(NA)	---	---
Total operating expenditure	$28,500	29,889	35,960	37,101	3	30
Salaries and wages	$17,400	18,108	20,925	21,151	1	22
Materials and binding	$ 8,900	9,768	12,618	14,709	17	65
Other expenditures	$ 1,300	1,190	1,621	1,599	−1	23
Expenditure per student	$ 41	44	49	58	18	41
Percent of total expenditure	4.6	4.8	5.0	5.1	---	---

Table H.—Median values for volumes, personnel, and operating expenditures of libraries in 4-year institutions enrolling 1,000–2,499 students, with percent changes: Aggregate United States, 1959–60 through 1963–64

[Expenditure data in thousands. Percent not computed when either figure is less than 30]

Category and control (1)	1959–60 (2)	1961–62 (3)	1962–63 (4)	1963–64 (5)	Percent change, 1962–63 to 1963–64 (6)	Percent change, 1959–60 to 1963–64 (7)
PUBLIC						
Volumes at end of year	73,300	57,443	56,775	53,606	−6	−27
Volumes added	4,900	3,461	3,962	3,754	−5	−23
Periodicals currently received	600	450	455	425	−7	−29
Total personnel (FTE)	9.0	6.5	6.6	6.0	---	---
Professional (FTE)	6.0	4.0	4.0	4.0	---	---
Nonprofessional (FTE)	3.1	2.5	3.0	3.0	---	---
Hours of student assistance	8,800	5,901	6,338	(NA)	---	---
Total operating expenditure	$71,800	61,878	68,585	66,587	−3	−7
Salaries and wages	$48,900	38,019	41,300	36,630	−11	−25
Materials and binding	$22,600	20,755	22,760	28,052	23	24
Other expenditures	$ 3,400	2,524	2,516	2,110	−16	−38
Expenditure per student	$ 44	39	41	49	20	11
Percent of total expenditure	5.1	4.9	5.0	5.0	---	---
PRIVATE						
Volumes at end of year	105,600	66,400	67,196	67,977	1	−36
Volumes added	4,700	3,743	4,000	4,452	11	−5
Periodicals currently received	600	484	485	500	3	−17
Total personnel (FTE)	9.0	6.8	7.0	7.0	---	---
Professional (FTE)	5.0	4.0	4.0	4.0	---	---
Nonprofessional (FTE)	4.8	3.0	3.6	3.5	---	---
Hours of student assistance	7,100	5,150	5,300	(NA)	---	---
Total operating expenditure	$73,400	54,057	59,493	65,829	11	−10
Salaries and wages	$45,500	32,677	35,090	37,162	6	−18
Materials and binding	$21,900	18,167	21,800	26,897	23	23
Other expenditures	$ 4,600	2,500	2,754	3,061	11	−33
Expenditure per student	$ 49	38	42	52	24	6
Percent of total expenditure	5.0	4.5	4.6	4.8	---	---

Table I.—Median values for volumes, personnel, and operating expenditures of libraries in 4-year institutions enrolling 2,500–4,999 students, with percent changes: Aggregate United States, 1959–60 through 1963–64

[Expenditure data in thousands. Percent not computed when either figure is less than 30]

Category and control (1)	1959–60 (2)	1961–62 (3)	1962–63 (4)	1963–64 (5)	Percent change, 1962–63 to 1963–64 (6)	Percent change, 1959–60 to 1963–64 (7)
PUBLIC						
Volumes at end of year	103,400	100,887	93,387	87,724	−6	−15
Volumes added	6,500	6,285	6,784	6,824	1	5
Periodicals currently received	800	729	775	746	−4	−7
Total personnel (FTE)	13.0	12.2	13.0	13.0	---	---
Professional (FTE)	8.0	7.0	8.0	7.0	---	---
Nonprofessional (FTE)	6.0	5.0	6.0	5.0	---	---
Hours of student assistance	13,100	12,493	12,352	(NA)	---	---
Total operating expenditure	$117,800	117,720	127,571	134,577	5	14
Salaries and wages	$ 69,400	75,815	77,500	79,689	3	15
Materials and binding	$ 35,300	37,497	42,830	53,761	26	52
Other expenditures	$ 5,100	4,977	4,544	4,418	−3	−13
Expenditure per student	$ 34	35	37	47	27	38
Percent of total expenditure	3.5	4.8	4.8	4.9	---	---
PRIVATE						
Volumes at end of year	114,000	144,569	127,400	104,000	−18	−9
Volumes added	4,800	6,988	7,100	6,124	−14	28
Periodicals currently received	800	1,130	960	725	−24	−9
Total personnel (FTE)	10.4	14.0	12.3	11.0	---	---
Professional (FTE)	6.0	6.0	6.0	5.5	---	---
Nonprofessional (FTE)	5.0	7.0	6.0	6.0	---	---
Hours of student assistance	6,500	7,742	7,500	(NA)	---	---
Total operating expenditure	$93,300	113,259	103,250	105,034	2	13
Salaries and wages	$53,300	62,243	62,384	67,375	8	26
Materials and binding	$28,700	37,266	36,924	42,685	16	49
Other expenditures	$ 5,700	8,297	5,019	4,751	−5	−17
Expenditure per student	$ 27	32	34	40	18	---
Percent of total expenditure	4.0	4.2	4.2	4.3	---	---

Table J.—Median values for volumes, personnel, and operating expenditures of libraries in 4-year institutions enrolling 5,000–9,999 students, with percent changes: Aggregate United States, 1959–60 through 1963–64

[Expenditure data in thousands. Percent not computed when either figure is less than 30]

Category and control (1)	1959–60 (2)	1961–62 (3)	1962–63 (4)	1963–64 (5)	Percent change, 1962–63 to 1963–64 (6)	Percent change, 1959–60 to 1963–64 (7)
PUBLIC						
Volumes at end of year	277,800	228,793	208,229	179,743	−14	−35
Volumes added	13,500	17,421	15,751	12,940	−18	−4
Periodicals currently received	1,800	1,586	1,625	1,258	−23	−30
Total personnel (FTE)	33.0	32.5	27.0	22.0	---	---
Professional (FTE)	15.0	17.0	13.0	11.0	---	---
Nonprofessional (FTE)	17.0	15.5	14.0	10.5	---	---
Hours of student assistance	22,700	24,138	22,141	(NA)	---	---
Total operating expenditure	$266,100	298,927	274,245	233,680	−15	−12
Salaries and wages	$153,000	172,500	157,330	130,352	−17	−15
Materials and binding	$ 84,000	95,882	95,901	98,199	2	17
Other expenditures	$ 11,700	12,203	10,568	9,642	−9	−18
Expenditure per student	$ 36	42	40	42	5	17
Percent of total expenditure	3.8	4.1	4.5	4.7	---	---
PRIVATE						
Volumes at end of year	208,700	381,786	417,570	201,954	−52	−3
Volumes added	12,100	19,263	18,728	15,888	−15	31
Periodicals currently received	1,600	2,365	2,139	1,999	−7	25
Total personnel (FTE)	23.0	34.2	37.9	36.0	−5	---
Professional (FTE)	11.7	15.2	16.0	13.5	---	---
Nonprofessional (FTE)	12.0	20.2	23.0	20.9	---	---
Hours of student assistance	15,800	20,859	23,750	(NA)	---	---
Total operating expenditure	$173,100	311,500	323,971	283,312	−13	64
Salaries and wages	$107,500	174,232	206,981	176,010	−15	64
Materials and binding	$ 65,000	117,254	93,844	120,917	29	86
Other expenditures	$ 8,200	16,656	17,241	15,711	−9	92
Expenditure per student	$ 29	42	50	48	−4	--
Percent of total expenditure	3.6	3.9	3.7	4.1	---	---

Table K.—Median values for volumes, personnel, and operating expenditures of libraries in 4-year institutions enrolling 10,000 or more students, with percent changes: Aggregate United States, 1959–60 through 1963–64

[Expenditure data in thousands. Percent not computed when either figure is less than 30]

Category and control (1)	1959–60 (2)	1961–62 (3)	1962–63 (4)	1963–64 (5)	Percent change, 1962–63 to 1963–64 (6)	Percent change, 1959–60 to 1963–64 (7)
PUBLIC						
Volumes at end of year	623,500	704,907	701,230	633,393	−10	2
Volumes added	30,700	48,314	42,867	37,420	−13	22
Periodicals currently received	5,300	5,731	6,052	4,618	−24	−13
Total personnel (FTE)	72.6	82.2	81.0	79.0	−2	9
Professional (FTE)	33.0	36.0	38.4	35.5	−8	8
Nonprofessional (FTE)	39.3	44.0	41.1	42.5	3	8
Hours of student assistance	50,000	52,824	58,309	(NA)	---	---
Total operating expenditure	$559,000	697,577	777,627	751,680	−3	34
Salaries and wages	$351,600	440,117	480,621	466,493	−3	33
Materials and binding	$187,500	274,696	283,628	312,869	10	67
Other expenditures	$ 29,600	38,053	37,508	37,364	0	26
Expenditure per student	$ 39	46	48	57	19	46
Percent of total expenditure	3.2	3.7	3.7	3.6	---	---
PRIVATE						
Volumes at end of year	516,500	600,381	420,751	609,283	45	18
Volumes added	27,400	32,233	28,529	37,420	31	37
Periodicals currently received	3,500	4,915	3,693	4,618	25	32
Total personnel (FTE)	78.5	83.5	63.5	72.2	14	−8
Professional (FTE)	37.2	40.9	27.5	34.8	---	−6
Nonprofessional (FTE)	39.2	47.2	45.5	41.0	−10	5
Hours of student assistance	30,900	37,556	31,604	(NA)	---	---
Total operating expenditure	$536,600	583,691	600,396	748,455	25	39
Salaries and wages	$308,900	376,987	298,802	461,408	54	49
Materials and binding	$177,800	217,089	172,770	306,031	77	72
Other expenditures	$ 29,300	28,472	32,400	37,364	15	28
Expenditure per student	$ 29	41	36	57	58	---
Percent of total expenditure	3.2	3.3	3.5	3.8	---	---

Table L.—Median values for volumes, personnel, and operating expenditures of libraries in 2-year institutions enrolling under 500 students, with percent changes: Aggregate United States, 1959–60 through 1963–64

[Expenditure data in thousands. Percent not computed when either figure is less than 30]

Category and control (1)	1959–60 (2)	1961–62 (3)	1962–63 (4)	1963–64 (5)	Percent change, 1962–63 to 1963–64 (6)	Percent change, 1959–60 to 1963–64 (7)
PUBLIC						
Volumes at end of year	5,900	6,099	5,000	5,000	0	–15
Volumes added	900	496	498	465	–7	–48
Periodicals currently received	100	68	72	70	–3	–30
Total personnel (FTE)	1.0	1.0	1.0	1.0	---	---
Professional (FTE)	1.0	1.0	1.0	1.0	---	---
Nonprofessional (FTE)	0	0	1.0	1.0	---	---
Hours of student assistance	700	600	545	(NA)	---	---
Total operating expenditure	$7,100	8,488	9,029	9,029	0	27
Salaries and wages	$5,500	5,800	6,252	6,322	1	15
Materials and binding	$4,000	2,451	2,420	2,585	6	–35
Other expenditures	$ 400	101	300	255	–15	–36
Expenditure per student	$ 33	35	39	46	18	39
Percent of total expenditure	5.7	5.6	6.0	6.7	---	---
PRIVATE						
Volumes at end of year	10,600	11,598	11,800	11,411	–3	8
Volumes added	600	659	687	796	16	33
Periodicals currently received	100	92	90	93	3	–7
Total personnel (FTE)	1.0	1.0	1.2	1.2	---	---
Professional (FTE)	1.0	1.0	1.0	1.0	---	---
Nonprofessional (FTE)	0	0	1.0	1.0	---	---
Hours of student assistance	1,000	1,037	1,080	(NA)	---	---
Total operating expenditure	$7,200	8,614	9,225	10,511	14	46
Salaries and wages	$5,300	5,730	6,500	6,984	7	32
Materials and binding	$1,900	2,279	2,435	3,163	30	66
Other expenditures	$ 300	200	388	300	–23	0
Expenditure per student	$ 34	44	49	68	39	100
Percent of total expenditure	3.7	4.4	5.0	5.4	---	---

Table M.—Median values for volumes, personnel, and operating expenditures of libraries in 2-year institutions enrolling 500–999 students, with percent changes: Aggregate United States, 1959–60 through 1963–64

[Expenditure data in thousands. Percent not computed when either figure is less than 30]

Category and control (1)	1959–60 (2)	1961–62 (3)	1962–63 (4)	1963–64 (5)	Percent change, 1962–63 to 1963–64 (6)	Percent change, 1959–60 to 1963–64 (7)
PUBLIC						
Volumes at end of year	8,500	10,300	11,325	9,701	–14	14
Volumes added	800	871	1,026	962	–6	20
Periodicals currently received	100	131	123	110	–11	10
Total personnel (FTE)	1.5	2.0	2.0	2.0	---	---
Professional (FTE)	1.0	1.0	1.0	1.0	---	---
Nonprofessional (FTE)	0.3	1.0	1.0	1.0	---	---
Hours of student assistance	1,300	1,320	1,458	(NA)	---	---
Total operating expenditure	$13,100	14,779	17,603	14,950	–15	14
Salaries and wages	$ 8,000	10,040	11,650	9,485	–19	19
Materials and binding	$ 3,500	5,161	5,640	5,216	–8	49
Other expenditures	$ 400	375	526	422	–20	6
Expenditure per student	$ 18	24	26	31	---	---
Percent of total expenditure	4.0	4.4	4.5	5.3	---	---
PRIVATE						
Volumes at end of year	12,600	13,164	11,705	12,000	3	–5
Volumes added	700	1,109	928	867	–7	24
Periodicals currently received	100	107	120	100	–17	0
Total personnel (FTE)	2.0	2.2	2.0	2.0	---	---
Professional (FTE)	1.0	1.0	1.0	1.0	---	---
Nonprofessional (FTE)	1.0	1.0	1.0	1.0	---	---
Hours of student assistance	1,300	1,629	1,314	(NA)	---	---
Total operating expenditure	$12,200	15,368	14,849	14,360	–3	18
Salaries and wages	$ 8,400	9,805	9,069	8,841	–3	5
Materials and binding	$ 3,200	4,789	5,268	5,004	–5	56
Other expenditures	$ 800	510	667	363	–46	–55
Expenditure per student	$ 19	25	22	27	---	---
Percent of total expenditure	3.5	4.1	3.8	4.6	---	---

Table N.—Median values for volumes, personnel, and operating expenditures of libraries in 2-year institutions enrolling 1,000–2,499 students, with percent changes: Aggregate United States, 1959–60 through 1963–64

[Expenditure data in thousands. Percent not computed when either figure is less than 30]

Category and control (1)	1959–60 (2)	1961–62 (3)	1962–63 (4)	1963–64 (5)	Percent change, 1962–63 to 1963–64 (6)	Percent change, 1959–60 to 1963–64 (7)
PUBLIC						
Volumes at end of year	13,400	13,391	13,729	14,381	5	7
Volumes added	1,100	1,470	1,707	1,650	−3	50
Periodicals currently received	200	159	191	166	−13	−17
Total personnel (FTE)	3.0	3.0	3.0	3.0	---	---
Professional (FTE)	1.9	2.0	2.0	2.0	---	---
Nonprofessional (FTE)	1.0	1.0	1.0	1.0	---	---
Hours of student assistance	1,400	1,579	2,000	(NA)	---	---
Total operating expenditure	$22,800	27,482	28,710	28,159	−2	24
Salaries and wages	$15,400	16,947	17,915	17,000	−5	10
Materials and binding	$ 5,900	8,491	9,900	9,503	−4	61
Other expenditures	$ 700	629	859	841	−2	20
Expenditure per student	$ 15	18	18	24	---	---
Percent of total expenditure	3.0	3.4	3.7	4.4	---	---
PRIVATE						
Volumes at end of year	30,000	20,234	9,230	11,099	20	−63
Volumes added	2,000	1,699	780	1,213	56	−39
Periodicals currently received	300	179	109	105	−4	−65
Total personnel (FTE)	3.0	4.0	2.2	3.0	---	---
Professional (FTE)	2.0	2.5	2.0	1.0	---	---
Nonprofessional (FTE)	1.0	1.0	1.0	1.0	---	---
Hours of student assistance	2,100	1,080	1,265	(NA)	---	---
Total operating expenditure	$22,500	24,841	16,111	19,641	22	−13
Salaries and wages	$14,800	15,812	11,640	13,175	13	−11
Materials and binding	$ 6,700	6,692	4,812	6,760	40	1
Other expenditures	-----	2,109	2,290	1,000	−56	---
Expenditure per student	$ 17	21	14	20	---	---
Percent of total expenditure	3.0	3.8	2.7	3.9	---	---

Chapter 3

Analysis of Management Data

Summary data on academic library resources, services and expenditures in 1963–64 are shown in tables 1 and 2. In table 1 the data are classified by *type of institution,* and the 2-year institutions (junior colleges) are included. In table 2 the data are classified by *enrollment size,* and the table covers only the 4-year institutions.

Table 1 shows that although the public universities include a somewhat disproportionate share of students, volumes and staff, the private universities more than match their public counterparts on a per student basis in library resources. For example, although the public universities have over twice as many students as the private universities (1,328,000 to 630,000), the public universities have only 19 percent more volumes.

For each of the items in tables 1 and 2, the averages (median and mean) and the 10th- and 90th-percentile values are shown in tables 3–15. These tables are in two sets, with tables 3–9 giving data by *type of institution* (as in table 1), and tables 10–15 giving data by *enrollment size* of institution (as in table 2). In both these sets of tables, each table is in three parts, with parts A, B, and C giving the data, respectively, for the public and private institutions *combined,* for the *public* institutions only, and for the *private* institutions only. An exception is table 7, since it concerns theological schools and they are exclusively under private control.

Column 2 of tables 3–15 shows the number of institutions which answered the particular item on the survey form. The variations in this number should be taken into account in evaluating the data. In table 3A, for example, 170 universities reported on the number of volumes added during 1963–64, while only 156 universities reported on the number of volumes withdrawn. For the universities that did not report on volumes withdrawn, it seems likely that some, if not all, actually withdrew at least some volumes, but failed to report that fact. On that general assumption it has seemed soundest, for the purposes of these tables, to base the statistics in columns 3 to 6 on the number of institutions reporting at least some quantity of each of the given items.

Comparison of the data in tables 3–9 with the analogous figures in the 1961–62 analytic report (Publication OE–15031–62) has shown that the median number of total (FTE) staff in public liberal arts colleges rose from 10.5 to 13.0, or almost 25 percent, over the 2-year period. There was a comparable jump in the median for private liberal arts colleges—from 4.0 to 5.0. Indeed, all types of academic libraries, both public and private, showed substantial gains in total staff.

The data on expenditures per FTE faculty member are of interest because they show the highest median—$1,352—for the theological schools, and the lowest median for the "Other professional school" libraries—$426, or less than a third of the figure for the theological schools.

It is apparent from tables 10–15 that institutions with large enrollments have much greater library resources than institutions with small enrollments. Yet institutions with small enrollments expend proportionately much more on libraries than those with larger enrollments, particularly as regards the expenditures per FTE student and FTE faculty member (see tables 10–15).

The data support the following additional generalizations:

(1) Institutions with small enrollments acquire more volumes per dollar expended than institutions with large enrollments. This is probably due to the fact that larger institutions buy proportionately more hard-to-get and expensive items, such as books in the less-frequently taught languages.

(2) The libraries of the public institutions spend more than their private counterparts, but they enroll many more students than pri-

Table 1.—Summary data on volumes, personnel, and operating expenditures, by control and type of institution: Aggregate United States, 1963–64

Type of Institution	Total no. of students (including terminal occupational)	No. of volumes at end of year	No. of volumes added dur. yr.	No. of volumes w'drawn dur. yr.	No. of physical units of microform, end of yr.	No. of periodicals being rec'd. at end of yr.	No. of hrs. of student assistance	No. of hrs. of other assistance	Personnel in full-time equivalents		Operating expenditures in dollars					
									Professional	Nonprofessional	Total	Salaries	Wages	Books and other library materials	Binding	Other (excluding capital outlay)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
PUBLIC & PRIVATE, TOTAL	4,795,495	227,087,826	13,615,341	1,268,304	14,918,707	1,761,190	16,440,932	1,572,821	11,862.0	13,298.0	$246,680,446	$126,208,480	$18,965,112	$80,533,401	$7,891,441	$13,082,012
University	1,958,312	126,294,098	6,723,334	638,218	11,056,773	1,026,066	7,747,997	658,920	5,683.3	7,978.4	134,346,823	67,566,546	9,964,364	44,277,220	4,827,656	7,711,037
Liberal arts	1,293,081	62,760,849	3,867,411	314,499	2,604,376	427,583	5,175,861	622,244	3,383.1	3,148.6	62,871,221	32,043,086	5,561,919	20,247,334	1,895,639	3,123,243
Teachers colleges	441,356	13,253,425	1,088,684	108,987	427,373	97,050	1,772,394	94,280	1,016.5	669.3	18,809,383	9,837,655	1,520,527	6,266,980	421,763	762,458
Technological schools	119,179	3,790,721	303,852	21,972	563,384	38,004	186,140	35,225	262.8	314.0	5,737,815	3,062,805	274,381	1,929,925	193,315	277,389
Theological schools	45,720	9,172,233	447,634	45,988	160,445	52,716	401,774	42,154	336.4	312.3	5,424,436	2,801,130	430,431	1,679,983	165,966	346,926
Other professional schools	97,375	3,111,039	218,433	26,014	52,661	29,037	188,797	24,681	215.0	204.8	3,741,428	1,930,647	210,682	1,311,009	126,127	162,963
Junior colleges	840,472	8,705,461	965,993	112,626	53,695	90,734	967,969	95,317	964.9	670.6	15,749,340	8,966,611	1,002,808	4,820,950	260,975	697,996
PUBLIC, TOTAL	3,071,721	101,576,866	7,022,949	490,920	9,887,034	912,288	9,311,294	700,199	6,281.0	7,043.5	138,493,933	70,305,659	10,752,693	46,419,918	4,440,158	6,575,505
University	1,328,191	68,576,666	4,050,116	231,994	7,686,580	629,798	5,164,728	375,507	3,415.4	4,609.3	82,836,783	40,340,297	6,498,103	28,529,260	3,168,458	4,300,665
Liberal arts	498,621	11,741,504	1,002,742	55,305	1,162,905	96,749	1,631,935	165,110	1,008.1	1,009.9	20,499,853	10,890,417	1,857,201	6,443,623	522,924	785,688
Teachers colleges	429,586	12,556,452	1,031,059	104,800	427,202	91,106	1,734,546	86,561	968.5	641.4	18,125,974	9,474,039	1,475,849	6,052,512	405,188	718,386
Technological schools	61,250	2,599,748	207,014	14,911	555,350	22,647	97,450	14,260	169.6	213.2	3,729,108	2,045,064	142,233	1,229,330	120,356	192,125
Other professional schools	16,504	533,736	32,111	10,523	11,599	7,631	41,718	855	35.3	45.0	869,032	461,193	42,412	304,716	30,231	30,480
Junior colleges	737,569	5,568,760	699,907	73,387	43,398	64,357	640,917	57,906	684.1	524.7	12,433,183	7,094,649	736,895	3,860,477	193,001	548,161
PRIVATE, TOTAL	1,723,774	125,510,960	6,592,392	777,384	5,031,673	848,902	7,129,638	872,622	5,581.0	6,254.5	108,186,513	55,902,821	8,212,419	34,113,483	3,451,283	6,506,507
University	630,121	57,717,432	2,673,218	406,224	3,370,193	396,268	2,583,269	283,413	2,267.9	3,369.1	51,510,040	27,226,249	3,466,261	15,747,960	1,659,198	3,410,372
Liberal arts	794,460	51,019,345	2,864,669	259,194	1,441,471	330,834	3,543,926	457,134	2,375.0	2,138.7	42,371,368	21,152,669	3,704,718	13,803,711	1,372,715	2,337,555
Teachers colleges	11,770	696,973	57,625	4,187	171	5,944	37,848	7,719	48.0	27.9	683,409	363,616	44,678	214,468	16,575	44,072
Technological schools	57,929	1,190,973	96,838	7,061	8,034	15,357	88,690	20,965	93.2	100.8	2,008,707	1,017,741	132,148	700,595	72,959	85,264
Theological schools	45,720	9,172,233	447,634	45,988	160,445	52,716	401,774	42,154	336.4	312.3	5,424,436	2,801,130	430,431	1,679,983	165,966	346,926
Other professional schools	80,871	2,577,303	186,322	15,491	41,062	21,406	147,079	23,826	179.7	159.8	2,872,396	1,469,454	168,270	1,006,293	95,896	132,483
Junior colleges	102,903	3.136,701	266,086	39,239	10,297	26,377	327,052	37,411	280.8	145.9	3,316,157	1,871,962	265,913	960,473	67,974	149,835

Table 2.—Summary data on volumes, personnel, and operating expenditures in 4-year institutions, by control and enrollment size of institution: Aggregate United States, 1963–64

Size of enrollment	Total no. of students (including terminal occupational)	No. of volumes at end of year	No. of volumes added dur. yr.	No. of volumes w'drawn dur. yr.	No. of physical units of microform, end of yr.	No. of periodicals being rec'd. at end of yr.	No. of hrs. of student assistance	No. of hrs. of other assistance	Personnel in full-time equivalents		Operating expenditures in dollars					
									Professional	Nonprofessional	Total	Salaries	Wages	Books and other library materials	Binding	Other (excluding capital outlay)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
PUBLIC & PRIVATE, TOTAL	3,955,023	218,382,365	12,649,348	1,155,678	14,865,012	1,670,456	15,472,963	1,477,504	10,897.1	12,627.4	$230,931,106	$117,246,794	$17,962,304	$75,712,451	$7,630,466	$12,379,091
Less than 500	99,140	12,914,178	778,492	74,796	179,833	86,250	669,124	96,952	602.5	483.7	9,390,314	4,889,376	692,527	3,032,576	266,498	509,337
500–999	249,632	18,693,276	1,179,040	100,156	536,214	135,404	1,382,745	116,906	949.3	757.3	16,541,359	8,213,286	1,272,737	5,710,839	513,653	830,844
1,000–2,499	541,375	31,875,794	1,880,657	179,988	1,204,695	209,160	2,354,500	314,936	1,538.2	1,418.5	29,697,827	14,433,576	2,464,098	10,268,024	969,645	1,562,484
2,500–4,999	534,446	23,374,831	1,452,188	105,231	1,290,725	188,281	1,829,905	185,891	1,354.8	1,461.7	27,253,820	14,201,254	1,882,168	9,036,491	857,342	1,276,565
5,000–9,999	779,425	39,167,065	2,363,071	304,189	3,510,377	283,423	2,787,963	227,524	1,896.5	2,451.0	41,004,760	21,001,825	3,052,505	13,616,300	1,347,689	1,986,441
10,000 or more	1,751,005	92,357,221	4,995,900	391,318	8,143,168	767,938	6,448,726	535,295	4,556.0	6,055.2	107,043,026	54,507,477	8,598,269	34,048,221	3,675,639	6,213,420
PUBLIC, TOTAL	2,334,152	96,008,106	6,323,042	417,533	9,843,636	847,931	8,670,377	642,293	5,596.9	6,518.8	126,060,750	63,211,010	10,015,798	42,559,441	4,247,157	6,027,344
Less than 500	7,901	284,463	37,336	805	44,701	3,271	24,565	9,644	22.3	20.0	544,640	240,114	42,591	205,173	14,144	42,618
500–999	22,424	1,507,434	170,131	6,284	264,123	19,886	102,670	4,100	110.9	133.0	2,979,463	1,370,415	94,757	1,302,247	91,090	120,954
1,000–2,499	146,369	5,913,839	483,600	50,298	325,650	49,170	647,315	39,408	394.5	310.9	8,061,099	3,853,035	530,035	3,124,391	216,688	336,950
2,500–4,999	336,422	11,064,954	872,793	61,440	545,122	94,489	1,207,891	94,107	807.4	744.8	16,238,802	8,510,359	1,088,174	5,520,216	458,563	661,490
5,000–9,999	466,856	15,834,385	1,168,403	90,855	2,464,233	139,413	1,651,001	152,946	966.3	1,091.0	20,946,926	10,367,056	1,707,080	7,182,240	723,016	967,534
10,000 or more	1,354,180	61,403,031	3,590,779	207,851	6,199,807	541,702	5,036,935	342,088	3,295.5	4,219.1	77,289,820	38,870,031	6,553,161	25,225,174	2,743,656	3,897,798
PRIVATE, TOTAL	1,620,871	122,374,259	6,326,306	738,145	5,021,376	822,525	6,802,586	835,211	5,300.2	6,108.6	104,870,356	54,035,784	7,946,506	33,153,010	3,383,309	6,351,747
Less than 500	91,239	12,629,715	741,156	73,991	135,132	82,979	644,559	87,308	580.2	463.7	8,845,674	4,649,262	649,936	2,827,403	252,354	466,719
500–999	227,208	17,185,842	1,008,909	93,872	272,091	115,518	1,280,075	112,806	838.4	624.3	13,561,896	6,842,871	1,177,980	4,408,592	422,563	709,890
1,000–2,499	395,006	25,961,955	1,397,057	129,690	879,045	159,990	1,707,185	275,528	1,143.7	1,107.6	21,636,728	10,580,541	1,934,063	7,143,633	752,957	1,225,534
2,500–4,999	198,024	12,309,877	579,395	43,791	745,603	93,792	622,014	91,784	547.4	716.9	11,015,018	5,690,895	793,994	3,516,275	398,779	615,075
5,000–9,999	312,569	23,332,680	1,194,668	213,334	1,046,144	144,010	1,136,962	74,578	930.0	1,360.0	20,057,834	10,634,769	1,345,425	6,434,060	624,673	1,018,907
10,000 or more	396,825	30,954,190	1,405,121	183,467	1,943,361	226,236	1,411,791	193,207	1,260.5	1,836.2	29,753,206	15,637,446	2,045,108	8,823,047	931,983	2,315,622

Table 3A.—Averages and measures of variability for volumes, personnel, and operating expenditures of public and private university libraries: Aggregate United States, 1963-64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	170	152,800	449,562	742,906	1,643,167
Volumes added	170	8,361	28,510	39,549	75,943
Volumes withdrawn	156	186	1,420	4,091	6,503
Number of all physical units of microtext	143	2,088	43,937	77,320	208,772
Number of microfilm at end of year	139	716	4,235	7,715	21,744
Number of other forms of microtext	121	948	55,383	82,515	200,504
Periodicals currently received	170	1,290	3,689	6,035	14,000
Total number of interlibrary loan transactions	168	311	2,081	3,571	8,813
Number of items loaned	168	81	917	2,272	6,303
Number of items borrowed	168	179	959	1,299	2,948
Total personnel (FTE)	170	14.0	53.0	80.3	173.5
Professional (FTE)	170	8.0	21.0	33.4	65.0
Nonprofessional (FTE)	170	6.1	33.1	46.9	104.0
Total operating expenditures	170	$161,488	$542,621	$790,275	$1,472,613
Total salaries and wages	170	$93,167	$302,030	$456,064	$852,122
Salaries (including salary equivalence of CS personnel)	170	$76,630	$262,625	$397,450	$759,472
Wages of student service	166	$7,802	$33,652	$53,682	$104,427
Wages of other hourly assistance	166	$770	$6,300	$15,956	$35,801
Total other operating expenditures	170	$70,934	$224,913	$334,211	$679,610
Library materials	170	$56,836	$176,318	$260,454	$501,312
Binding	166	$5,565	$20,229	$29,082	$54,419
Other expenditures	169	$6,540	$27,758	$45,627	$101,754
Expenditure per FTE student	167	$35	$61	$80	$143
Expenditure per FTE faculty member	164	$402	$728	$790	$1,249
Library expenditure index	149	2.1	3.6	3.7	5.5

Table 3B.—Averages and measures of variability for volumes, personnel, and operating expenditures of public university libraries: Aggregate United States, 1963-64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	102	174,367	434,008	672,320	1,234,893
Volumes added	102	9,966	30,056	39,707	73,542
Volumes withdrawn	95	158	1,330	2,442	6,076
Number of all physical units of microtext	84	1,870	55,867	91,506	226,282
Number of microfilm at end of year	82	334	4,247	8,073	19,074
Number of other forms of microtext	71	2.275	72,568	98,937	213,103
Periodicals currently received	102	1,687	4,010	6,174	13,591
Total number of interlibrary loan transactions	102	475	2,109	3,607	8,983
Number of items loaned	102	99	990	2,231	6,410
Number of items borrowed	102	206	1,005	1,376	3,193
Total personnel (FTE)	102	13.5	52.5	78.6	155.1
Professional (FTE)	102	8.0	21.0	33.4	71.0
Nonprofessional (FTE)	102	6.1	33.5	45.1	100.0
Total operating expenditures	102	$195,439	$583,718	$812,125	$1,472,613
Total salaries and wages	102	$101,698	$303,124	$459,200	$832,154
Salaries (including salary equivalence of CS personnel)	102	$85,355	$263,237	$395,493	$713,650
Wages of student service	99	$8,893	$33,835	$59,368	$118,504
Wages of other hourly assistance	41	$770	$6,117	$15,136	$36,892
Total other operating expenditures	102	$79,804	$253,737	$352,925	$708,639
Library materials	102	$65,406	$206,833	$279,698	$520,619
Binding	102	$7,609	$22,954	$31,063	$55,245
Other expenditures	102	$7,723	$28,000	$42,163	$97,976
Expenditure per FTE student	101	$36	$60	$74	$119
Expenditure per FTE faculty member	98	$449	$707	$808	$1,249
Library expenditure index	90	2.3	3.6	3.7	5.5

vate institutions. On a per student or per faculty basis the libraries of private institutions spend as much as, if not more than, the libraries of the public institutions.

Although not shown here, frequency distributions have been tabulated for selected management items by control and type of institution. The tabulations showed that over a third (738) of all academic libraries acquired between 2,000–4,999 volumes during 1963-64. Also, while 70 of the libraries acquired less than 200 volumes in 1963-64, 48 added 50,000 volumes or more to their holdings. The distributions for the number of hours per week when the various types of libraries were open showed that most of the public academic libraries are open considerably longer hours than the private academic libraries.

As a guide to measuring the adequacy of resources and services, the American Library Association has recommended the following minimum quantitative standards:

For libraries of 4-year institutions (recommendations issued in July of 1959):

1. A minimum of 50,000 volumes for an enrollment up to 600 students; for every additional 200 students, 10,000 more volumes.
2. A professional staff that includes at least three librarians. It is assumed that *total* staff will vary with the size of the institutions, and several formulas are suggested for determining adequate staffing.
3. A library budget of not less than 5 percent of the total educational and general budget, i.e., an expenditure index of at least 5 percent.

For libraries of 2-year institutions (recommendations issued in May of 1960):

1. A minimum of 20,000 volumes for an enrollment up to 1,000 students; for every additional 500 students, 5,000 more volumes.
2. A professional staff that includes at least 2 librarians. The size of total staff is assumed to vary with the institution's size.
3. A library expenditure index of at least 5 percent.

In reviewing certain measures of quality in higher education that are generally considered to be objective, Allan Cartter has stated:

> "On reflection, however, it is evident that they are for the most part subjective measures once removed. Distinguished fellows, Nobel laureates, and National Academy members are selected by peer groups on the basis of subjective assessments, faculty salaries are determined by someone's subjective appraisal, and endowments are the result of philanthropic judgments."
>
> "Number of volumes in the library, though more readily quantifiable, is a factor of little value in measuring institutional resources unless one can make a qualitative judgment about the adequacy of the holdings." [1]

At the same time Cartter emphasized the marked association between effectiveness of graduate programs and adequacy of library resources. He pointed out:

> "A few universities with poor library resources have achieved considerable strength in several departments, in some cases because laboratory facilities may be more important in a particular field than the library, and in other cases because the universities are located close to other great library collections such as the Library of Congress and the New York Public Library. But institutions that are strong in all areas invariably have major national research libraries. The 17 universities among the first 20 institutions in our study (omitting the three leading institutions of science or technology) had total

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[1] Cartter, Allan. *An Assessment of Quality in Graduate Education.* Washington, D.C., American Council on Education, 1966, p. 4.

Table 3C.—Averages and measures of variability for volumes, personnel, and operating expenditures of private university libraries: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	68	142,221	468,050	848,785	1,705,577
Volumes added	68	6,449	26,552	39,312	75,943
Volumes withdrawn	61	200	1,513	6,659	6,674
Number of all physical units of microtext	59	2,097	27,203	57,121	175,000
Number of microfilm at end of year	57	890	4,074	7,200	21,744
Number of other forms of microtext	50	250	37,178	59,195	175,000
Periodicals currently received	68	985	3,493	5,827	16,784
Total number of interlibrary loan transactions	66	224	1,888	3,516	7,755
Number of items loaned	66	55	824	2,335	5,615
Number of items borrowed	66	143	902	1,181	2,457
Total personnel (FTE)	68	14.0	54.0	82.8	184.3
Professional (FTE)	68	7.5	20.8	33.3	61.5
Nonprofessional (FTE)	68	6.0	29.0	49.5	126.0
Total operating expenditures	68	$134,488	$461,697	$757,500	$1,435,381
Total salaries and wages	68	$77,333	$260,470	$451,360	$880,035
Salaries (including salary equivalence of CS personnel)	68	$69,370	$214,905	$400,386	$827,535
Wages of student service	67	$6,739	$32,044	$452,279	$93,485
Wages of other hourly assistance	25	$693	$7,000	$17,301	$35,801
Total other operating expenditures	68	$47,975	$197,821	$306,140	$632,166
Library materials	68	$34,335	$161,409	$231,587	$463,078
Binding	64	$3,878	$15,258	$25,924	$54,419
Other expenditures	67	$4,655	$22,085	$50,901	$103,431
Expenditure per FTE student	66	$32	$64	$89	$163
Expenditure per FTE faculty member	66	$361	$744	$763	$1,222
Library expenditure index	59	2.0	3.8	3.7	6.2

Table 4A.—Averages and measures of variability for volumes, personnel, and operating expenditures of public and private liberal arts college libraries: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	792	24,625	54,104	79,243	151,727
Volumes added	792	1,550	3,621	4,883	9,927
Volumes withdrawn	660	36	224	476	1,213
Number of all physical units of microtext	576	29	672	4,521	8,165
Number of microfilm at end of year	565	20	497	998	2,407
Number of other forms of microtext	292	20	878	6,986	16,097
Periodicals currently received	791	197	410	540	992
Total number of interlibrary loan transactions	730	9	64	195	407
Number of items loaned	593	2	20	100	177
Number of items borrowed	718	6	43	115	263
Total personnel (FTE)	791	2.0	5.0	8.2	16.0
Professional (FTE)	790	1.0	3.0	4.2	7.8
Nonprofessional (FTE)	695	1.0	3.0	4.5	9.0
Total operating expenditures	792	$19,450	$50,396	$79,382	$148,950
Total salaries and wages	791	$11,626	$28,717	$47,483	$88,019
Salaries (including salary equivalence of CS personnel)	789	$9,800	$24,500	$40,612	$77,249
Wages of student service	757	$1,200	$4,000	$6,081	$11,677
Wages of other hourly assistance	219	$411	$1,698	$4,375	$8,276
Total other operating expenditures	790	$7,227	$20,774	$31,983	$62,343
Library materials	790	$5,955	$17,026	$25,629	$50,605
Binding	758	$360	$1,487	$2,500	$5,178
Other expenditures	758	$584	$2,296	$4,121	$9,708
Expenditure per FTE student	789	$32	$57	$68	$104
Expenditure per FTE faculty member	782	$539	$855	$930	$1,347
Library expenditure index	737	3.4	5.1	5.5	8.0

Table 4B.—Averages and measures of variability for volumes, personnel, and operating expenditures of public liberal arts college libraries: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	105	31,821	89,708	111,823	222,450
Volumes added	105	3,102	6,592	9,549	21,235
Volumes withdrawn	95	100	346	582	1,438
Number of all physical units of microtext	88	126	2,520	13,214	44,796
Number of microfilm at end of year	88	114	1,556	2,454	4,632
Number of other forms of microtext	57	32	2,888	16,613	47,264
Periodicals currently received	105	310	793	921	1,649
Total number of interlibrary loan transactions	102	15	115	309	822
Number of items loaned	89	2	29	82	159
Number of items borrowed	100	10	87	241	605
Total personnel (FTE)	105	3.9	13.0	19.2	43.5
Professional (FTE)	105	2.0	7.0	9.6	22.0
Nonprofessional (FTE)	100	2.0	7.0	10.0	20.5
Total operating expenditures	105	$41,835	$128,850	$195,236	$466,440
Total salaries and wages	105	$22,912	$79,417	$121,405	$289,775
Salaries (including salary equivalence of CS personnel)	105	$20,776	$70,993	$103,718	$260,155
Wages of student service	104	$2,500	$7,940	$14,334	$29,116
Wages of other hourly assistance	26	$618	$2,775	$14,091	$13,029
Total other operating expenditures	105	$17,335	$48,984	$73,830	$166,864
Library materials	105	$14,200	$39,739	$61,367	$140,999
Binding	102	$879	$3,391	$5,126	$12,000
Other expenditures	104	$1,254	$4,751	$7,554	$14,890
Expenditure per FTE student	105	$27	$47	$52	$82
Expenditure per FTE faculty member	103	$572	$888	$1,004	$1,542
Library expenditure index	101	3.5	5.3	5.7	8.7

library holdings ranging from 1.3 million to nearly eight million volumes; the average holding was 2.7 million volumes. The bottom 20 institutions among the 106 in the survey had libraries ranging from 125,000 to one million volumes, averaging 465,000." (Cartter, *Op. Cit.*, p. 114).

The statistical data of this report are believed to be of interest and value in relation to Cartter's observation regarding Federal aid:

"Since the current tendency in Federal aid is to increase the number of institutions which are strong centers of graduate education rather than to expand support for already outstanding institutions, such an evaluation of present strengths may be viewed with greater objectivity. (At least one major university has spent considerable time recently trying to convince a Federal agency that it is not one of the top twenty universities in the country and thus is eligible for support as a 'university of promise')". (Cartter, *Op. Cit.*, p. 4).

Table 4C.—Averages and measures of variability for volumes, personnel, and operating expenditures of private liberal arts college libraries: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	687	24,286	51,558	74,263	136,004
Volumes added	687	1,400	3,350	4,169	7,521
Volumes withdrawn	565	33	204	458	1,149
Number of all physical units of microtext	488	23	585	2,953	5,297
Number of microfilm at end of year	477	14	420	730	1,741
Number of other forms of microtext	235	20	595	4,651	10,444
Periodicals currently received	686	190	382	482	833
Total number of interlibrary loan transactions	628	8	57	176	316
Number of items loaned	504	2	18	103	177
Number of items borrowed	618	6	38	94	200
Total personnel (FTE)	686	2.0	5.0	6.5	11.5
Professional (FTE)	685	1.0	3.0	3.4	6.0
Nonprofessional (FTE)	595	1.0	2.5	3.5	7.0
Total operating expenditures	687	$18,776	$45,436	$61,675	$111,920
Total salaries and wages	686	$11,029	$26,980	$36,169	$67,358
Salaries (including salary equivalence of CS personnel)	684	$9,300	$22,320	$30,924	$56,652
Wages of student service	653	$1,100	$3,601	$4,766	$9,529
Wages of other hourly assistance	193	$400	$1,653	$3,066	$7,438
Total other operating expenditures	685	$6,823	$19,319	$25,569	$47,000
Library materials	685	$5,631	$15,503	$20,151	$36,584
Binding	656	$324	$1,312	$2,092	$4,219
Other expenditures	654	$530	$2,085	$3,575	$7,946
Expenditure per FTE student	684	$35	$58	$70	$109
Expenditure per FTE faculty member	679	$534	$852	$919	$1,315
Library expenditure index	636	3.4	5.1	5.5	7.9

Table 5A.—Averages and measures of variability for volumes, personnel, and operating expenditures of public and private teachers college libraries: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	186	25,045	60,000	71,254	120,939
Volumes added	186	1,506	4,658	5,853	11,971
Volumes withdrawn	159	40	352	685	1,668
Number of all physical units of microtext	136	47	1,013	3,142	6,115
Number of microfilm at end of year	134	30	790	1,188	3,073
Number of other forms of microtext	76	15	579	3,528	7,448
Periodicals currently received	185	197	474	524	909
Total number of interlibrary loan transactions	172	16	78	159	368
Number of items loaned	150	2	17	52	110
Number of items borrowed	169	8	60	115	313
Total personnel (FTE)	186	2.0	7.0	9.0	17.0
Professional (FTE)	185	1.0	4.0	5.4	10.5
Nonprofessional (FTE)	157	1.0	3.0	4.2	8.5
Total operating expenditures	186	$21,993	$79,081	$101,125	$188,188
Total salaries and wages	186	$12,510	$47,385	$61,065	$121,476
Salaries (including salary equivalence of CS personnel)	186	$11,142	$39,643	$52,890	$106,526
Wages of student service	176	$1,180	$5,989	$7,972	$16,000
Wages of other hourly assistance	39	$253	$2,451	$3,010	$5,694
Total other operating expenditures	185	$8,842	$33,114	$40,276	$79,940
Library materials	185	$6,520	$28,401	$33,875	$66,804
Binding	165	$400	$1,755	$2,556	$5,500
Other expenditures	176	$493	$2,518	$4,332	$9,846
Expenditure per FTE student	185	$30	$46	$55	$79
Expenditure per FTE faculty member	182	$623	$903	$1,040	$1,473
Library expenditure index	168	3.6	5.2	6.0	8.1

Table 5B.—Averages and measures of variability for volumes, personnel, and operating expenditures of public teachers college libraries: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	160	30,622	67,000	78,477	128,060
Volumes added	160	1,951	5,490	6,444	12,176
Volumes withdrawn	137	63	427	764	1,863
Number of all physical units of microtext	126	108	1,225	3,390	6,159
Number of microfilm at end of year	124	85	863	1,282	3,102
Number of other forms of microtext	75	20	628	3,575	7,529
Periodicals currently received	159	236	522	572	919
Total number of interlibrary loan transactions	151	22	96	174	384
Number of items loaned	132	2	18	56	116
Number of items borrowed	150	12	71	125	330
Total personnel (FTE)	160	2.0	8.5	10.0	18.5
Professional (FTE)	159	2.0	5.0	6.0	11.0
Nonprofessional (FTE)	140	1.0	4.0	4.5	9.0
Total operating expenditures	160	$32,928	$92,900	$113,287	$204,487
Total salaries and wages	160	$18,295	$59,580	$68,436	$127,391
Salaries (including salary equivalence of CS personnel)	160	$14,942	$51,702	$59,212	$112,414
Wages of student service	160	$1,361	$6,432	$8,539	$16,278
Wages of other hourly assistance	34	$340	$2,451	$3,222	$5,824
Total other operating expenditures	160	$11,593	$36,872	$44,850	$81,400
Library materials	160	$9,284	$33,963	$37,828	$71,164
Binding	146	$500	$2,000	$2,775	$5,556
Other expenditures	152	$525	$2,750	$4,726	$11,000
Expenditure per FTE student	160	$30	$44	$50	$72
Expenditure per FTE faculty member	157	$628	$903	$1,031	$1,447
Library expenditure index	150	3.6	5.2	5.7	8.1

Table 5C.—Averages and measures of variability for volumes, personnel, and operating expenditures of private teachers college libraries: Aggregate United States, 1963-64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	26	9,948	26,025	26,806	40,381
Volumes added	26	340	2,096	2,216	3,619
Volumes withdrawn	22	8	100	190	354
Number of all physical units of microtext	10	-------	6	17	-------
Number of microfilm at end of year	10	-------	6	17	-------
Number of other forms of microtext	1	-------	-------	1	-------
Periodicals currently received	26	80	231	228	315
Total number of interlibrary loan transactions	21	3	32	56	102
Number of items loaned	18	-------	13	25	-------
Number of items borrowed	19	-------	11	38	-------
Total personnel (FTE)	26	1.0	3.0	2.9	5.0
Professional (FTE)	26	1.0	1.6	1.8	3.0
Nonprofessional (FTE)	17	-------	1.2	1.6	-------
Total operating expenditures	26	$8,351	$22,099	$26,284	$50,205
Total salaries and wages	26	$5,400	$13,618	$15,703	$26,212
Salaries (including salary equivalence of CS personnel)	26	$5,400	$12,900	$13,985	$22,434
Wages of student service	16	-------	$777	$2,301	-------
Wages of other hourly assistance	5	-------	$263	$1,569	-------
Total other operating expenditures	25	$1,650	$9,553	$11,004	$25,425
Library materials	25	$1,340	$6,830	$8,578	$17,489
Binding	19	-------	$418	$872	-------
Other expenditures	24	$100	$1,314	$1,836	$3,425
Expenditure per FTE student	25	$33	$65	$84	$211
Expenditure per FTE faculty member	25	$572	$1,057	$1,101	$1,631
Library expenditure index	18	-------	5.2	8.0	-------

Table 6A.—Averages and measures of variability for volumes, personnel, and operating expenditures of public and private technological school libraries: Aggregate United States, 1963-64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	51	8,440	45,700	74,327	183,487
Volumes added	51	300	4,269	5,957	14,118
Volumes withdrawn	39	13	250	563	867
Number of all physical units of microtext	31	32	401	18,173	43,916
Number of microfilm at end of year	31	12	260	1,144	3,420
Number of other forms of microtext	19	-------	265	27,784	-------
Periodicals currently received	51	77	455	745	1,821
Total number of interlibrary loan transactions	38	35	209	867	1,296
Number of items loaned	35	10	75	649	1,034
Number of items borrowed	38	18	167	268	600
Total personnel (FTE)	51	1.0	6.6	11.3	27.0
Professional (FTE)	50	1.0	3.0	5.2	13.0
Nonprofessional (FTE)	45	1.0	4.0	6.9	18.0
Total operating expenditures	51	$9,461	$78,966	$112,506	$277,385
Total salaries and wages	51	$6,080	$40,528	$65,435	$165,106
Salaries (including salary equivalence of CS personnel)	51	$4,800	$38,593	$60,055	$165,106
Wages of student service	37	$323	$2,535	$5,720	$11,169
Wages of other hourly assistance	13	-------	$2,416	$4,825	-------
Total other operating expenditures	51	$2,495	$27,700	$47,071	$114,881
Library materials	50	$2,495	$22,322	$38,598	$94,000
Binding	42	$407	$3,500	$4,602	$10,984
Other expenditures	46	$200	$2,400	$6,030	$10,516
Expenditure per FTE student	51	$11	$49	$96	$184
Expenditure per FTE faculty member	50	$222	$607	$652	$999
Library expenditure index	45	1.3	3.1	3.4	5.8

Table 6B.—Averages and measures of variability for volumes, personnel, and operating expenditures of public technological school libraries: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	26	10,486	63,138	99,990	190,181
Volumes added	26	889	4,539	7,962	18,443
Volumes withdrawn	19	-------	227	784	-------
Number of all physical units of microtext	19	-------	1,097	29,220	-------
Number of microfilm at end of year	19	-------	1,097	1,563	-------
Number of other forms of microtext	13	-------	529	40,434	-------
Periodicals currently received	26	215	563	871	1,400
Total number of interlibrary loan transactions	23	36	209	575	1,092
Number of items loaned	23	14	68	313	521
Number of items borrowed	23	6	182	262	600
Total personnel (FTE)	26	1.0	9.0	14.7	27.0
Professional (FTE)	26	1.0	4.0	6.5	13.0
Nonprofessional (FTE)	23	1.0	7.5	9.2	20.3
Total operating expenditures	26	$14,961	$82,167	$143,427	$349,229
Total salaries and wages	26	$9,251	$51,544	$84,126	$170,100
Salaries (including salary equivalence of CS personnel)	26	$7,694	$49,451	$78,656	$170,100
Wages of student service	17	-------	$2,093	$6,429	-------
Wages of other hourly assistance	6	-------	$2,416	$5,488	-------
Total other operating expenditures	26	$8,004	$35,200	$59,300	$117,910
Library materials	26	$6,367	$24,095	$47,281	$97,744
Binding	23	$641	$4,124	$5,232	$12,000
Other expenditures	23	$390	$4,678	$8,353	$17,605
Expenditure per FTE student	26	$25	$56	$81	$140
Expenditure per FTE faculty member	26	$348	$632	$751	$999
Library expenditure index	24	1.1	3.2	3.7	5.8

Table 6C.—Averages and measures of variability for volumes, personnel, and operating expenditures of private technological school libraries: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	25	4,887	30,637	47,638	121,298
Volumes added	25	188	3,000	3,873	9,325
Volumes withdrawn	20	10	250	353	666
Number of all physical units of microtext	12	-------	100	669	-------
Number of microfilm at end of year	12	-------	100	481	-------
Number of other forms of microtext	6	-------	30	375	-------
Periodicals currently received	25	44	400	614	1,821
Total number of interlibrary loan transactions	15	-------	392	1,314	-------
Number of items loaned	12	-------	75	1,295	-------
Number of items borrowed	15	-------	167	278	-------
Total personnel (FTE)	25	1.0	5.0	7.7	20.0
Professional (FTE)	24	0.5	2.5	3.8	9.5
Nonprofessional (FTE)	22	0.2	2.5	4.5	9.0
Total operating expenditures	25	$4,214	$51,215	$80,348	$236,454
Total salaries and wages	25	$4,200	$28,686	$45,995	$123,000
Salaries (including salary equivalence of CS personnel)	25	$4,200	$24,570	$40,709	$103,216
Wages of student service	20	$370	$2,942	$5,117	$10,203
Wages of other hourly assistance	7	-------	$2,300	$4,257	-------
Total other operating expenditures	25	$1,024	$22,005	$34,352	$104,692
Library materials	24	$898	$18,495	$29,191	$89,184
Binding	19	-------	$2,832	$3,839	-------
Other expenditures	23	$126	$1,600	$3,707	$9,000
Expenditure per FTE student	25	$6	$38	$111	$184
Expenditure per FTE faculty member	24	$52	$522	$545	$946
Library expenditure index	21	1.1	2.8	3.0	4.8

Table 7.—Averages and measures of variability for volumes, personnel, and operating expenditures of theological school libraries: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	194	12,482	31,064	47,279	92,550
Volumes added	194	509	2,000	2,307	4,600
Volumes withdrawn	114	10	92	403	930
Number of all physical units of microtext	98	10	120	1,637	1,198
Number of microfilm at end of year	96	10	95	306	582
Number of other forms of microtext	46	1	75	2,848	1,387
Periodicals currently received	193	73	210	273	518
Total number of interlibrary loan transactions	140	4	49	137	300
Number of items loaned	120	2	27	110	182
Number of items borrowed	134	2	22	44	110
Total personnel (FTE)	191	1.0	2.4	3.3	6.7
Professional (FTE)	187	1.0	1.0	1.7	3.0
Nonprofessional (FTE)	135	0.5	2.0	2.3	5.0
Total operating expenditures	192	$6,157	$20,220	$28,252	$59,260
Total salaries and wages	190	$4,144	$11,805	$17,008	$33,663
Salaries (including salary equivalence of CS personnel)	189	$3,230	$10,500	$14,820	$29,956
Wages of student service	144	$300	$1,800	$2,643	$5,971
Wages of other hourly assistance	41	$250	$990	$1,215	$2,674
Total other operating expenditures	192	$1,545	$7,942	$11,421	$24,368
Library materials	192	$1,523	$6,159	$8,749	$19,190
Binding	150	$100	$618	$1,106	$2,240
Other expenditures	164	$130	$1,002	$2,115	$4,922
Expenditure per FTE student	191	$33	$147	$188	$381
Expenditure per FTE faculty member	190	$488	$1,352	$1,732	$3,092
Library expenditure index	149	3.4	9.0	9.2	13.9

Table 8A.—Averages and measures of variability for volumes, personnel, and operating expenditures of public and privat other professional school libraries: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	122	2,310	13,750	25,500	64,00
Volumes added	122	123	1,000	1,790	4,80
Volumes withdrawn	71	10	100	366	69
Number of all physical units of microtext	32	7	90	1,645	3,54
Number of microfilm at end of year	27	6	45	1,110	1,10
Number of other forms of microtext	11	-------	427	2,061	------
Periodicals currently received	16	20	120	250	58
Total number of interlibrary loan transactions	68	4	43	295	90
Number of items loaned	50	3	28	188	49
Number of items borrowed	63	3	22	169	50
Total personnel (FTE)	118	0.6	2.0	3.5	8.
Professional (FTE)	113	0.5	1.0	1.9	4.
Nonprofessional (FTE)	74	1.0	2.0	2.7	6.
Total operating expenditures	120	$2,726	$18,100	$31,178	$71,99
Total salaries and wages	115	$2,256	$10,220	$18,611	$48,24
Salaries (including salary equivalence of CS personnel)	114	$2,234	$9,000	$16,978	$45,24
Wages of student service	83	$200	$1,500	$2,306	$5,00
Wages of other hourly assistance	16	-------	$875	$1,202	------
Total other operating expenditures	119	$682	$6,200	$13,446	$31,00
Library materials	118	$650	$5,514	$11,110	$27,00
Binding	93	$99	$570	$1,356	$3,50
Other expenditures	84	$200	$800	$1,940	$5,37
Expenditure per FTE student	116	$15	$44	$72	$13
Expenditure per FTE faculty member	114	$133	$426	$658	$1,45
Library expenditure index	88	1.3	3.1	4.2	8.

Table 8B.—Averages and measures of variability for volumes, personnel, and operating expenditures of public other professional school libraries: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	11	-------	64,000	48,521	-------
Volumes added	11	-------	3,200	2,919	-------
Volumes withdrawn	8	-------	62	1,315	-------
Number of all physical units of microtext	2	-------	-------	5,799	-------
Number of microfilm at end of year	2	-------	-------	86	-------
Number of other forms of microtext	1	-------	-------	11,427	-------
Periodicals currently received	11	-------	584	693	-------
Total number of interlibrary loan transactions	9	-------	325	763	-------
Number of items loaned	8	-------	135	394	-------
Number of items borrowed	9	-------	154	412	-------
Total personnel (FTE)	11	-------	7.0	7.3	-------
Professional (FTE)	11	-------	2.0	3.2	-------
Nonprofessional (FTE)	9	-------	5.0	5.0	-------
Total operating expenditures	11	-------	$59,905	$79,002	-------
Total salaries and wages	11	-------	$38,411	$45,782	-------
Salaries (including salary equivalence of CS personnel)	11	-------	$30,972	$41,926	-------
Wages of student service	10	-------	$3,022	$4,131	-------
Wages of other hourly assistance	2	-------	-------	$546	-------
Total other operating expenditures	11	-------	$27,000	$33,220	-------
Library materials	11	-------	$27,000	$27,701	-------
Binding	8	-------	$2,803	$3,778	-------
Other expenditures	9	-------	$2,304	$3,386	-------
Expenditure per FTE student	11	-------	$97	$114	-------
Expenditure per FTE faculty member	11	-------	$378	$601	-------
Library expenditure index	10	-------	2.3	4.2	-------

Table 8C.—Averages and measures of variability for volumes, personnel, and operating expenditures of private other professional school libraries: Aggregate United States, 1963-64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	111	2,100	13,494	23,218	47,500
Volumes added	111	119	874	1,678	4,799
Volumes withdrawn	63	13	100	245	690
Number of all physical units of microtext	30	7	90	1,368	2,000
Number of microfilm at end of year	25	6	45	1,192	1,477
Number of other forms of microtext	10	------	230	1,125	------
Periodicals currently received	105	20	120	203	507
Total number of interlibrary loan transactions	59	4	39	224	674
Number of items loaned	42	3	27	149	428
Number of items borrowed	54	2	16	129	478
Total personnel (FTE)	107	0.5	2.0	3.1	6.0
Professional (FTE)	102	0.5	1.0	1.7	4.0
Nonprofessional (FTE)	65	1.0	1.5	2.4	4.6
Total operating expenditures	109	$2,704	$15,331	$26,352	$58,600
Total salaries and wages	104	$2,234	$9,465	$15,737	$31,400
Salaries (including salary equivalence of CS personnel)	103	$2,047	$8,649	$14,314	$29,800
Wages of student service	73	$200	$1,260	$2,056	$4,800
Wages of other hourly assistance	14	------	$1,000	$1,296	------
Total other operating expenditures	108	$620	$5,769	$11,432	$25,947
Library materials	107	$625	$5,000	$9,404	$20,379
Binding	85	$99	$500	$1,128	$3,031
Other expenditures	75	$200	$587	$1,756	$4,910
Expenditure per FTE student	105	$15	$40	$67	$135
Expenditure per FTE faculty member	103	$132	$450	$665	$1,457
Library expenditure index	78	1.3	3.3	4.2	8.3

Table 9A.—Averages and measures of variability for volumes, personnel, and operating expenditure of public and private junior college libraries: Aggregate United States, 1963-64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	613	3,250	11,189	14,201	26,624
Volumes added	611	250	1,028	1,581	3,778
Volumes withdrawn	418	12	100	269	621
Number of all physical units of microtext	143	9	175	375	923
Number of microfilm at end of year	138	10	169	349	697
Number of other forms of microtext	20	1	100	275	1,000
Periodicals currently received	604	45	117	150	302
Total number of interlibrary loan transactions	358	3	20	59	147
Number of items loaned	178	1	9	35	73
Number of items borrowed	345	3	15	43	117
Total personnel (FTE)	604	1.0	2.0	2.7	5.5
Professional (FTE)	593	1.0	1.0	1.6	3.0
Nonprofessional (FTE)	360	0.5	1.0	1.8	4.0
Total operating expenditures	613	$5,575	$15,325	$25,692	$55,219
Total salaries and wages	605	$4,336	$10,008	$16,479	$37,000
Salaries (including salary equivalence of CS personnel)	603	$3,900	$8,622	$14,870	$34,819
Wages of student service	494	$225	$1,120	$1,752	$3,884
Wages of other hourly assistance	106	$105	$700	$1,292	$2,987
Total other operating expenditures	610	$1,200	$5,405	$9,433	$21,154
Library materials	611	$1,000	$4,614	$7,890	$17,900
Binding	453	$70	$332	$576	$1,271
Other expenditures	481	$80	$500	$1,450	$3,748
Expenditure per FTE student	603	$14	$34	$56	$114
Expenditure per FTE faculty member	552	$375	$671	$842	$1,452
Library expenditure index	436	2.5	4.8	5.6	9.6

Table 9B.—Averages and measures of variability for volumes, personnel, and operating expenditure of public junior college libraries: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	374	3,264	11,000	14,889	30,448
Volumes added	374	302	1,327	1,871	4,224
Volumes withdrawn	263	10	116	279	658
Number of all physical units of microtext	98	12	207	442	1,022
Number of microfilm at end of year	95	15	207	424	1,022
Number of other forms of microtext	11	-------	105	282	-------
Periodicals currently received	372	47	127	173	350
Total number of interlibrary loan transactions	236	5	22	56	140
Number of items loaned	113	1	9	33	52
Number of items borrowed	230	3	17	41	110
Total personnel (FTE)	371	1.0	2.0	3.2	7.0
Professional (FTE)	371	1.0	1.0	1.8	3.6
Nonprofessional (FTE)	237	1.0	1.5	2.2	4.5
Total operating expenditures	374	$6,920	$21,886	$33,243	$69,153
Total salaries and wages	371	$5,335	$12,762	$21,109	$45,660
Salaries (including salary equivalence of CS personnel)	371	$4,700	$11,700	$19,123	$40,646
Wages of student service	316	$245	$1,244	$2,017	$4,500
Wages of other hourly assistance	61	$157	$977	$1,628	$3,767
Total other operating expenditures	372	$1,600	$7,702	$12,302	$25,926
Library materials	373	$1,400	$6,562	$10,349	$21,690
Binding	275	$94	$464	$701	$1,500
Other expenditures	286	$90	$696	$1,916	$4,411
Expenditure per FTE student	372	$13	$27	$37	$66
Expenditure per FTE faculty member	346	$382	$628	$759	$1,260
Library expenditure index	279	2.5	4.5	5.4	8.9

Table 9C.—Averages and measures of variability for volumes, personnel, and operating expenditure of private junior college libraries: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	239	3,200	11,479	13,124	22,768
Volumes added	237	200	816	1,122	2,210
Volumes withdrawn	155	14	86	253	461
Number of all physical units of microtext	45	7	98	228	408
Number of microfilm at end of year	43	7	76	183	386
Number of other forms of microtext	9	-------	100	266	-------
Periodicals currently received	232	36	97	113	200
Total number of interlibrary loan transactions	122	2	16	65	184
Number of items loaned	65	2	10	38	125
Number of items borrowed	115	2	14	47	125
Total personnel (FTE)	233	1.0	1.5	1.8	3.5
Professional (FTE)	222	1.0	1.0	1.2	2.0
Nonprofessional (FTE)	123	0.3	1.0	1.1	2.0
Total operating expenditures	239	$4,355	$11,620	$13,875	$28,893
Total salaries and wages	234	$3,500	$7,560	$9,138	$18,195
Salaries (including salary equivalence of CS personnel)	232	$3,250	$6,100	$8,068	$16,500
Wages of student service	178	$193	$852	$1,282	$2,900
Wages of other hourly assistance	45	$75	$600	$835	$1,893
Total other operating expenditures	238	$870	$3,976	$4,948	$10,000
Library materials	238	$728	$3,000	$4,035	$8,054
Binding	178	$53	$260	$381	$760
Other expenditures	195	$67	$338	$766	$1,593
Expenditure per FTE student	231	$16	$46	$85	$216
Expenditure per FTE faculty member	206	$366	$775	$982	$1,626
Library expenditure index	157	2.4	5.0	6.0	10.4

Table 10A.—Averages and measures of variability for volumes, personnel, and operating expenditures of libraries in 4-year public and private institutions enrolling less than 500 students: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	396	8,000	24,820	32,621	60,436
Volumes added	396	395	1,591	1,965	4,000
Volumes withdrawn	247	10	88	302	798
Number of all physical units of microtext	163	7	107	1,103	941
Number of microfilm at end of year	156	6	71	175	457
Number of other forms of microtext	64	3	79	2,382	2,178
Periodicals currently received	390	54	191	221	401
Total number of interlibrary loan transactions	270	4	35	124	250
Number of items loaned	205	2	19	93	154
Number of items borrowed	257	2	21	55	129
Total personnel (FTE)	388	1.0	2.0	2.7	5.0
Professional (FTE)	377	1.0	1.0	1.5	3.0
Nonprofessional (FTE)	258	0.6	1.4	1.8	4.0
Total operating expenditures	393	$5,750	$18,560	$23,893	$44,788
Total salaries and wages	386	$4,144	$10,800	$14,445	$25,609
Salaries (including salary equivalence of CS personnel)	383	$3,400	$9,789	$12,765	$23,819
Wages of student service	286	$283	$1,480	$2,051	$4,400
Wages of other hourly assistance	76	$124	$950	$1,393	$2,674
Total other operating expenditures	391	$1,489	$7,200	$9,755	$19,811
Library materials	391	$1,200	$5,830	$7,755	$15,503
Binding	310	$100	$500	$859	$1,845
Other expenditures	327	$150	$785	$1,575	$3,753
Expenditure per FTE student	388	$32	$90	$147	$299
Expenditure per FTE faculty member	384	$369	$947	$1,295	$2,615
Library expenditure index	302	2.7	6.6	7.8	13.7

Table 10B.—Averages and measures of variability for volumes, personnel, and operating expenditures of libraries in 4-year public institutions enrolling less than 500 students: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	14	-------	13,500	20,318	-------
Volumes added	14	-------	1,519	2,666	-------
Volumes withdrawn	9	-------	60	89	-------
Number of all physical units of microtext	4	-------	-------	11,175	-------
Number of microfilm at end of year	4	-------	-------	483	-------
Number of other forms of microtext	2	-------	-------	21,384	-------
Periodicals currently received	14	-------	122	233	-------
Total number of interlibrary loan transactions	9	-------	200	325	-------
Number of items loaned	8	-------	14	210	-------
Number of items borrowed	9	-------	79	137	-------
Total personnel (FTE)	14	-------	1.1	3.0	-------
Professional (FTE)	13	-------	1.0	1.7	-------
Nonprofessional (FTE)	8	-------	1.0	2.5	-------
Total operating expenditures	14	-------	$18,379	$38,902	-------
Total salaries and wages	14	-------	$9,400	$20,193	-------
Salaries (including salary equivalence of CS personnel)	14	-------	$7,821	$17,151	-------
Wages of student service	13	-------	$1,600	$2,082	-------
Wages of other hourly assistance	3	-------	-------	$5,171	-------
Total other operating expenditures	14	-------	$9,484	$18,709	-------
Library materials	14	-------	$6,367	$14,655	-------
Binding	7	-------	$1,000	$2,020	-------
Other expenditures	11	-------	$2,640	$3,874	-------
Expenditure per FTE student	14	-------	$59	$70	-------
Expenditure per FTE faculty member	13	-------	$804	$947	-------
Library expenditure index	11	-------	5.7	6.1	-------

Table 10C.—Averages and measures of variability for volumes, personnel, and operating expenditures of libraries in 4-year private institutions enrolling less than 500 students: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	382	8,000	25,000	33,062	60,549
Volumes added	382	395	1,591	1,940	4,000
Volumes withdrawn	238	10	88	310	846
Number of all physical units of microtext	159	7	103	849	800
Number of microfilm at end of year		6	69	167	457
Number of other forms of microtext	62	3	78	1,769	2,000
Periodicals currently received	376	54	192	220	393
Total number of interlibrary loan transactions	261	4	32	117	218
Number of items loaned	197	2	20	88	145
Number of items borrowed	248	2	16	52	111
Total personnel (FTE)	374	1.0	2.0	2.7	5.0
Professional (FTE)	364	1.0	1.0	1.5	3.0
Nonprofessional (FTE)	250	0.6	1.5	1.8	4.0
Total operating expenditures	379	$5,667	$18,560	$23,339	$44,300
Total salaries and wages	372	$4,100	$10,900	$14,229	$25,887
Salaries (including salary equivalence of CS personnel)	369	$3,400	$9,936	$12,599	$23,819
Wages of student service	273	$260	$1,463	$2,049	$4,474
Wages of other hourly assistance	73	$80	$976	$1,238	$2,674
Total other operating expenditures	377	$1,450	$7,155	$9,422	$19,565
Library materials	377	$1,200	$5,805	$7,499	$15,200
Binding	303	$100	$500	$832	$1,700
Other expenditures	316	$145	$778	$1,495	$3,376
Expenditure per FTE student	374	$32	$91	$150	$313
Expenditure per FTE faculty member	371	$363	$964	$1,307	$2,648
Library expenditure index	291	2.7	6.7	7.9	13.8

Table 11A.—Averages and measures of variability for volumes, personnel, and operating expenditures of libraries in 4-year public and private institutions enrolling 500–999 students: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	359	21,967	42,685	52,070	90,048
Volumes added	359	1,317	2,736	3,280	5,276
Volumes withdrawn	279	22	153	358	896
Number of all physical units of microtext	219	12	310	2,448	2,564
Number of microfilm at end of year	213	10	255	594	1,320
Number of other forms of microtext	85	5	191	4,817	4,741
Periodicals currently received	358	171	322	378	602
Total number of interlibrary loan transactions	319	7	47	140	296
Number of items loaned	244	2	16	76	200
Number of items borrowed	311	5	30	83	164
Total personnel (FTE)	359	2.0	4.0	4.7	7.5
Professional (FTE)	359	1.0	2.0	2.6	4.0
Nonprofessional (FTE)	296	1.0	2.0	2.5	4.0
Total operating expenditures	358	$18,698	$37,888	$46,204	$71,994
Total salaries and wages	358	$10,902	$21,331	$26,497	$41,368
Salaries (including salary equivalence of CS personnel)	357	$8,900	$18,050	$23,006	$36,878
Wages of student service	336	$848	$2,640	$3,356	$6,804
Wages of other hourly assistance	83	$258	$1,157	$1,746	$3,847
Total other operating expenditures	356	$6,592	$15,134	$19,818	$31,187
Library materials	355	$5,301	$12,065	$16,086	$25,000
Binding	332	$300	$1,028	$1,547	$2,770
Other expenditures	328	$400	$1,609	$2,533	$4,542
Expenditure per FTE student	356	$32	$59	$66	$102
Expenditure per FTE faculty member	355	$475	$842	$932	$1,324
Library expenditure index	329	3.2	5.1	5.4	7.8

Table 11B.—Averages and measures of variability for volumes, personnel, and operating expenditures of libraries in 4-year public institutions enrolling 500–999 students: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	33	16,000	42,842	45,679	65,096
Volumes added	33	1,127	3,148	5,155	5,481
Volumes withdrawn	24	9	62	261	512
Number of all physical units of microtext	17	-------	265	15,536	-------
Number of microfilm at end of year	17	-------	212	443	-------
Number of other forms of microtext	7	-------	15	36,656	-------
Periodicals currently received	33	130	325	602	1,015
Total number of interlibrary loan transactions	29	14	73	356	960
Number of items loaned	24	1	15	182	775
Number of items borrowed	29	6	60	205	600
Total personnel (FTE)	33	2.0	4.0	7.3	11.7
Professional (FTE)	33	1.0	2.4	3.3	5.2
Nonprofessional (FTE)	25	1.0	2.0	5.3	9.0
Total operating expenditures	33	$23,359	$44,187	$90,286	$128,207
Total salaries and wages	33	$12,610	$25,478	$44,399	$84,309
Salaries (including salary equivalence of CS personnel)	33	$10,244	$21,534	$41,527	$72,561
Wages of student service	30	$534	$2,093	$2,905	$5,086
Wages of other hourly assistance	4	-------	-------	$1,898	-------
Total other operating expenditures	33	$8,004	$19,787	$45,887	$48,958
Library materials	33	$6,900	$16,153	$39,462	$38,282
Binding	29	$260	$1,290	$3,141	$4,528
Other expenditures	28	$356	$1,746	$4,319	$5,138
Expenditure per FTE student	32	$31	$60	$91	$187
Expenditure per FTE faculty member	33	$378	$821	$1,115	$2,183
Library expenditure index	31	1.7	5.0	5.8	10.4

Table 11C.—Averages and measures of variability for volumes, personnel, and operating expenditures of libraries in 4-year private institutions enrolling 500–999 students: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	326	22,328	42,101	52,717	90,928
Volumes added	326	1,317	2,724	3,094	5,095
Volumes withdrawn	255	25	156	368	914
Number of all physical units of microtext	202	12	312	1,346	2,510
Number of microfilm at end of year	196	10	255	608	1,320
Number of other forms of microtext	78	8	191	1,960	3,812
Periodicals currently received	325	171	320	355	575
Total number of interlibrary loan transactions	290	7	44	118	264
Number of items loaned	220	2	16	65	150
Number of items borrowed	282	5	29	71	154
Total personnel (FTE)	326	2.0	4.0	4.4	7.0
Professional (FTE)	326	1.0	2.0	2.5	4.0
Nonprofessional (FTE)	271	1.0	2.0	2.3	4.0
Total operating expenditures	325	$18,673	$37,101	$41,728	$68,467
Total salaries and wages	325	$10,700	$21,151	$24,679	$40,806
Salaries (including salary equivalence of CS personnel)	324	$8,838	$17,919	$21,119	$35,324
Wages of student service	306	$928	$2,756	$3,400	$6,824
Wages of other hourly assistance	79	$263	$1,157	$1,739	$3,668
Total other operating expenditures	323	$6,466	$14,709	$17,155	$29,861
Library materials	322	$5,027	$12,000	$13,691	$24,108
Binding	303	$300	$1,019	$1,394	$2,649
Other expenditures	300	$415	$1,599	$2,366	$4,531
Expenditure per FTE student	324	$32	$58	$63	$98
Expenditure per FTE faculty member	322	$475	$842	$913	$1,301
Library expenditure index	298	3.3	5.1	5.3	7.7

Table 12A.—Averages and measures of variability for volumes, personnel, and operating expenditures of libraries in 4-year public and private institutions enrolling 1,000–2,499 students: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	371	30,986	63,538	85,918	157,579
Volumes added	371	2,183	4,389	5,069	8,730
Volumes withdrawn	316	57	306	569	1,368
Number of all physical units of microtext	302	55	816	3,989	8,187
Number of microfilm at end of year	296	27	552	971	2,323
Number of other forms of microtext	161	24	614	5,695	11,427
Periodicals currently received	369	274	486	566	859
Total number of interlibrary loan transactions	346	17	68	252	408
Number of items loaned	297	2	20	149	206
Number of items borrowed	343	9	52	124	267
Total personnel (FTE)	371	3.0	7.0	7.9	13.0
Professional (FTE)	370	2.0	4.0	4.1	7.0
Nonprofessional (FTE)	335	1.0	3.3	4.2	7.8
Total operating expenditures	371	$34,284	$66,233	$80,048	$132,980
Total salaries and wages	370	$19,804	$37,162	$45,546	$76,574
Salaries (including salary equivalence of CS personnel)	370	$15,764	$31,886	$39,009	$65,116
Wages of student service	360	$1,607	$4,803	$5,685	$10,454
Wages of other hourly assistance	112	$500	$2,397	$3,726	$8,093
Total other operating expenditures	371	$12,274	$27,083	$34,501	$60,058
Library materials	370	$9,859	$21,513	$27,751	$44,470
Binding	352	$616	$2,000	$2,754	$5,300
Other expenditures	359	$900	$2,861	$4,351	$8,454
Expenditure per FTE student	370	$29	$52	$62	$97
Expenditure per FTE faculty member	364	$527	$852	$924	$1,371
Library expenditure index	345	3.1	4.9	5.2	7.8

Table 12B.—Averages and measures of variability for volumes, personnel, and operating expenditures of libraries in 4-year public institutions enrolling 1,000–2,499 students: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	100	28,125	53,606	59,138	90,243
Volumes added	100	1,705	3,754	4,836	8,736
Volumes withdrawn	79	41	300	636	1,504
Number of all physical units of microtext	78	66	600	4,175	3,954
Number of microfilm at end of year	76	66	533	809	1,863
Number of other forms of microtext	37	12	500	7,139	5,755
Periodicals currently received	99	244	425	496	805
Total number of interlibrary loan transactions	95	14	60	144	360
Number of items loaned	75	2	18	49	94
Number of items borrowed	94	8	48	106	261
Total personnel (FTE)	100	3.0	6.0	7.0	12.0
Professional (FTE)	100	1.2	4.0	3.9	7.0
Nonprofessional (FTE)	85	1.0	3.0	3.6	7.0
Total operating expenditures	100	$33,253	$66,587	$80,610	$132,980
Total salaries and wages	100	$18,470	$36,630	$43,830	$70,772
Salaries (including salary equivalence of CS personnel)	100	$16,304	$32,550	$38,530	$64,863
Wages of student service	96	$1,242	$3,818	$4,936	$9,624
Wages of other hourly assistance	20	$340	$1,446	$2,805	$6,300
Total other operating expenditures	100	$11,600	$28,052	$36,780	$62,000
Library materials	100	$9,127	$22,010	$31,243	$54,800
Binding	91	$500	$1,670	$2,381	$5,000
Other expenditures	97	$525	$2,110	$3,473	$7,488
Expenditure per FTE student	100	$28	$49	$65	$91
Expenditure per FTE faculty member	96	$530	$913	$1,021	$1,542
Library expenditure index	91	3.0	5.0	5.8	8.7

Table 12C.—Averages and measures of variability for volumes, personnel, and operating expenditures of libraries in 4-year private institutions enrolling 1,000–2,499 students: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	271	34,920	67,977	95,800	185,104
Volumes added	271	2,227	4,452	5,155	8,553
Volumes withdrawn	237	57	309	547	1,335
Number of all physical units of microtext	224	51	845	3,924	10,000
Number of microfilm at end of year	220	23	560	1,028	2,339
Number of other forms of microtext	124	28	700	5,264	15,253
Periodicals currently received	270	286	500	592	888
Total number of interlibrary loan transactions	251	18	78	292	485
Number of items loaned	222	2	20	183	248
Number of items borrowed	249	10	52	131	267
Total personnel (FTE)	271	3.0	7.0	8.3	14.0
Professional (FTE)	270	2.0	4.0	4.2	7.0
Nonprofessional (FTE)	250	1.0	3.5	4.4	8.0
Total operating expenditures	271	$35,900	$65,829	$79,840	$131,887
Total salaries and wages	270	$20,192	$37,162	$46,182	$79,836
Salaries (including salary equivalence of CS personnel)	270	$15,700	$31,603	$39,187	$67,080
Wages of student service	264	$1,713	$4,934	$5,957	$10,541
Wages of other hourly assistance	92	$600	$2,397	$3,926	$9,088
Total other operating expenditures	271	$13,315	$26,897	$33,659	$55,740
Library materials	270	$10,155	$21,366	$26,457	$43,719
Binding	261	$620	$2,123	$2,884	$5,381
Other expenditures	262	$1,018	$3,061	$4,676	$9,393
Expenditure per FTE student	270	$30	$52	$61	$98
Expenditure per FTE faculty member	268	$527	$826	$890	$1,307
Library expenditure index	254	3.0	4.8	5.0	7.1

Table 13A.—Averages and measures of variability for volumes, personnel, and operating expenditures of libraries in 4-year public and private institutions enrolling 2,500–4,999 students: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	165	52,063	93,900	151,665	230,753
Volumes added	165	3,604	6,673	8,801	14,518
Volumes withdrawn	151	80	395	696	1,668
Number of all physical units of microtext	145	114	1,788	8,901	22,748
Number of microfilm at end of year	145	75	1,013	1,992	3,918
Number of other forms of microtext	96	25	979	10,435	26,775
Periodicals currently received	165	403	746	1,141	1,956
Total number of interlibrary loan transactions	159	27	148	507	1,117
Number of items loaned	150	3	35	240	521
Number of items borrowed	158	18	99	282	641
Total personnel (FTE)	165	6.0	12.9	17.0	27.2
Professional (FTE)	165	3.3	7.0	8.2	12.2
Nonprofessional (FTE)	163	2.0	6.0	8.9	15.1
Total operating expenditures	165	$64,764	$127,300	$165,174	$267,956
Total salaries and wages	165	$38,387	$76,150	$97,475	$163,360
Salaries (including salary equivalence of CS personnel)	165	$34,559	$65,457	$86,068	$137,979
Wages of student service	159	$2,950	$8,000	$10,133	$18,835
Wages of other hourly assistance	48	$696	$3,360	$5,644	$10,350
Total other operating expenditures	165	$25,302	$48,971	$67,699	$117,258
Library materials	165	$20,928	$40,287	$54,766	$89,184
Binding	162	$999	$3,476	$5,292	$10,632
Other expenditures	162	$1,501	$4,655	$7,880	$14,493
Expenditure per FTE student	165	$26	$45	$55	$93
Expenditure per FTE faculty member	164	$436	$821	$886	$1,273
Library expenditure index	158	2.9	4.6	4.9	7.1

Table 13B.—Averages and measures of variability for volumes, personnel, and operating expenditures of libraries in 4-year public institutions enrolling 2,500–4,999 students: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	103	54,243	87,724	107,426	189,792
Volumes added	103	3,613	6,824	8,473	14,118
Volumes withdrawn	95	87	427	646	1,438
Number of all physical units of microtext	90	220	1,741	6,056	13,983
Number of microfilm at end of year	90	116	1,228	2,158	3,606
Number of other forms of microtext	58	25	778	6,048	13,017
Periodicals currently received	103	430	746	917	1,630
Total number of interlibrary loan transactions	101	34	141	345	723
Number of items loaned	96	2	25	118	257
Number of items borrowed	100	20	100	236	564
Total personnel (FTE)	103	7.0	13.0	15.0	26.6
Professional (FTE)	103	4.0	7.0	7.8	12.0
Nonprofessional (FTE)	102	2.0	5.0	7.3	14.0
Total operating expenditures	103	$78,966	$134,577	$157,658	$236,912
Total salaries and wages	103	$43,647	$79,689	$93,189	$158,683
Salaries (including salary equivalence of CS personnel)	103	$38,383	$70,993	$82,624	$134,606
Wages of student service	98	$3,305	$8,000	$9,782	$17,248
Wages of other hourly assistance	28	$618	$3,275	$4,623	$7,127
Total other operating expenditures	103	$26,150	$53,761	$64,468	$104,804
Library materials	103	$22,240	$42,361	$53,594	$85,553
Binding	101	$925	$3,476	$4,540	$8,778
Other expenditures	100	$1,533	$4,418	$6,614	$13,425
Expenditure per FTE student	103	$27	$47	$53	$86
Expenditure per FTE faculty member	102	$553	$863	$953	$1,325
Library expenditure index	98	3.2	4.9	5.2	7.5

Table 13C.—Averages and measures of variability for volumes, personnel, and operating expenditures of libraries in 4-year private institutions enrolling 2,500–4,999 students: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	62	43,132	104,000	198,546	363,307
Volumes added	62	2,972	6,124	9,345	16,937
Volumes withdrawn	56	80	363	781	1,823
Number of all physical units of microtext	55	47	2,038	13,556	29,809
Number of microfilm at end of year	55	32	832	1,721	4,095
Number of other forms of microtext	38	25	2,409	17,129	30,300
Periodicals currently received	62	370	725	1,512	2,720
Total number of interlibrary loan transactions	58	22	154	789	2,426
Number of items loaned	54	4	67	457	1,186
Number of items borrowed	58	13	97	363	1,295
Total personnel (FTE)	62	6.0	11.0	20.3	34.0
Professional (FTE)	62	3.0	5.5	8.8	16.0
Nonprofessional (FTE)	61	3.0	6.0	11.7	19.0
Total operating expenditures	62	$52,636	$105,034	$177,661	$346,007
Total salaries and wages	62	$30,422	$67,375	$104,594	$167,250
Salaries (including salary equivalence of CS personnel)	62	$25,812	$58,139	$91,788	$139,870
Wages of student service	61	$2,593	$7,768	$10,697	$20,273
Wages of other hourly assistance	20	$775	$3,683	$7,073	$12,145
Total other operating expenditures	62	$20,176	$42,685	$73,066	$131,039
Library materials	62	$16,514	$33,540	$56,714	$89,600
Binding	61	$999	$3,483	$6,537	$12,830
Other expenditures	62	$1,500	$4,751	$9,920	$18,273
Expenditure per FTE student	62	$24	$40	$57	$121
Expenditure per FTE faculty member	62	$361	$734	$775	$1,160
Library expenditure index	60	1.7	4.3	4.3	6.2

Table 14A.—Averages and measures of variability for volumes, personnel, and operating expenditures of libraries in 4-year public and private institutions enrolling 5,000–9,999 students: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	121	65,022	184,206	323,694	645,489
Volumes added	121	5,370	13,984	19,529	35,492
Volumes withdrawn	109	166	919	2,790	3,199
Number of all physical units of microtext	102	1,398	8,165	34,415	85,772
Number of microfilm at end of year	101	418	2,773	3,573	6,733
Number of other forms of microtext	85	305	15,713	37,051	87,995
Periodicals currently received	121	584	1,440	2,342	4,195
Total number of interlibrary loan transactions	120	67	471	1,324	3,574
Number of items loaned	118	10	156	759	1,861
Number of items borrowed	119	36	326	582	1,195
Total personnel (FTE)	121	11.0	24.0	35.9	64.0
Professional (FTE)	121	5.0	12.0	15.6	28.0
Nonprofessional (FTE)	121	4.0	11.0	20.2	38.3
Total operating expenditures	121	$117,540	$252,307	$338,882	$599,094
Total salaries and wages	121	$70,116	$151,281	$198,796	$353,231
Salaries (including salary equivalence of CS personnel)	121	$54,702	$125,875	$173,568	$292,446
Wages of student service	119	$5,500	$18,034	$23,113	$40,499
Wages of other hourly assistance	39	$770	$3,483	$7,744	$13,939
Total other operating expenditures	121	$36,650	$106,871	$140,086	$267,958
Library materials	121	$30,865	$83,034	$112,531	$220,635
Binding	118	$1,800	$7,200	$11,421	$23,662
Other expenditures	119	$2,725	$11,000	$16,692	$33,968
Expenditure per FTE student	120	$23	$44	$58	$97
Expenditure per FTE faculty member	115	$405	$784	$808	$1,230
Library expenditure index	112	2.2	4.5	4.4	6.6

Table 14B.—Averages and measures of variability for volumes, personnel, and operating expenditures of libraries in 4-year public institutions enrolling 5,000–9,999 students: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	77	70,209	179,743	205,641	357,163
Volumes added	77	5,370	12,940	15,174	25,348
Volumes withdrawn	74	166	826	1,227	3,163
Number of all physical units of microtext	69	927	7,578	35,713	85,772
Number of microfilm at end of year	69	334	2,749	2,969	4,892
Number of other forms of microtext	60	200	8,725	37,655	104,164
Periodicals currently received	77	550	1,258	1,810	3,504
Total number of interlibrary loan transactions	76	69	424	868	1,708
Number of items loaned	74	7	108	379	1,050
Number of items borrowed	75	38	322	505	920
Total personnel (FTE)	77	11.7	22.0	26.7	50.0
Professional (FTE)	77	5.0	11.0	12.5	21.0
Nonprofessional (FTE)	77	4.0	10.5	14.1	27.0
Total operating expenditures	77	$130,856	$233,680	$272,038	$463,400
Total salaries and wages	77	$70,425	$130,352	$156,806	$256,952
Salaries (including salary equivalence of CS personnel)	77	$61,400	$112,957	$134,637	$234,463
Wages of student service	76	$6,671	$16,723	$19,812	$34,258
Wages of other hourly assistance	26	$770	$3,483	$7,742	$13,939
Total other operating expenditures	77	$36,650	$98,199	$115,231	$195,969
Library materials	77	$31,052	$79,159	$93,275	$147,914
Binding	76	$1,798	$6,300	$9,513	$18,781
Other expenditures	77	$2,725	$9,642	$12,565	$27,758
Expenditure per FTE student	77	$28	$42	$49	$71
Expenditure per FTE faculty member	74	$405	$825	$840	$1,227
Library expenditure index	73	2.3	4.7	4.6	7.1

Table 14C.—Averages and measures of variability for volumes, personnel, and operating expenditures of libraries in 4-year private institutions enrolling 5,000–9,999 students: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	44	60,641	201,954	530,288	987,052
Volumes added	44	5,101	15,888	27,151	67,407
Volumes withdrawn	35	144	1,025	6,095	4,193
Number of all physical units of microtext	33	1,398	9,840	31,701	78,737
Number of microfilm at end of year	32	645	2,870	4,877	8,668
Number of other forms of microtext	25	948	21,693	35,602	78,691
Periodicals currently received	44	600	1,999	3,272	7,109
Total number of interlibrary loan transactions	44	64	663	2,113	6,914
Number of items loaned	44	10	306	1,398	5,089
Number of items borrowed	44	30	344	714	2,093
Total personnel (FTE)	44	9.0	36.0	52.0	115.5
Professional (FTE)	44	4.0	13.5	21.1	43.0
Nonprofessional (FTE)	44	4.0	20.9	30.9	69.0
Total operating expenditures	44	$79,719	$283,312	$455,859	$834,511
Total salaries and wages	44	$52,019	$176,010	$272,277	$589,506
Salaries (including salary equivalence of CS personnel)	44	$44,956	$156,997	$241,699	$552,168
Wages of student service	43	$4,450	$19,637	$28,946	$53,162
Wages of other hourly assistance	13	------	$3,382	$7,746	------
Total other operating expenditures	44	$29,841	$120,917	$183,582	$342,608
Library materials	44	$29,841	$97,654	$146,228	$257,022
Binding	42	$2,004	$9,563	$14,873	$30,340
Other expenditures	42	$2,365	$15,711	$24,259	$47,484
Expenditure per FTE student	43	$19	$48	$72	$128
Expenditure per FTE faculty member	41	$361	$744	$749	$1,258
Library expenditure index	39	2.1	4.1	4.0	6.0

Table 15A.—Averages and measures of variability for volumes, personnel, and operating expenditures of libraries in 4-year public and private institutions enrolling 10,000 or more students: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	103	172,180	633,393	896,672	1,816,040
Volumes added	103	15,135	37,420	48,503	90,578
Volumes withdrawn	97	336	1,587	4,034	8,374
Number of all physical units of microtext	85	3,085	64,894	95,801	226,282
Number of microfilm at end of year	81	1,726	5,723	9,865	24,585
Number of other forms of microtext	74	2,275	69,649	99,244	213,103
Periodicals currently received	103	1,500	4,618	7,455	16,784
Total number of interlibrary loan transactions	102	315	2,510	4,285	9,700
Number of items loaned	102	54	1,237	2,809	7,017
Number of items borrowed	102	218	1,200	1,476	3,193
Total personnel (FTE)	103	27.0	79.0	103.0	213.6
Professional (FTE)	103	14.0	35.5	44.2	92.5
Nonprofessional (FTE)	103	12.0	42.5	58.7	127.5
Total operating expenditures	103	$319,722	$751,680	$1,039,252	$1,983,266
Total salaries and wages	103	$176,000	$466,493	$612,677	$1,136,118
Salaries (including salary equivalence of CS personnel)	103	$143,014	$383,651	$529,198	$1,017,618
Wages of student service	103	$18,543	$55,375	$73,580	$151,117
Wages of other hourly assistance	36	$882	$9,100	$28,318	$83,669
Total other operating expenditures	103	$137,131	$312,869	$426,575	$783,586
Library materials	103	$112,827	$255,877	$330,565	$592,662
Binding	100	$8,440	$26,000	$36,756	$67,515
Other expenditures	102	$11,000	$37,364	$60,915	$125,701
Expenditure per FTE student	101	$34	$57	$64	$104
Expenditure per FTE faculty member	101	$442	$754	$806	$1,284
Library expenditure index	91	2.4	3.6	3.8	5.7

Table 15B.—Averages and measures of variability for volumes, personnel, and operating expenditures of libraries in 4-year public institutions enrolling 10,000 or more students: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	77	196,608	609,283	797,441	1,542,753
Volumes added	77	16,402	37,420	46,633	77,555
Volumes withdrawn	73	327	1,536	2,847	7,298
Number of all physical units of microtext	61	3,645	68,991	101,636	232,877
Number of microfilm at end of year	59	1,878	5,685	10,114	24,145
Number of other forms of microtext	53	2,369	89,933	105,717	219,360
Periodicals currently received	77	1,513	4,618	7,035	14,122
Total number of interlibrary loan transactions	77	475	2,466	4,129	9,645
Number of items loaned	77	80	1,160	2,643	6,506
Number of items borrowed	77	344	1,269	1,486	2,948
Total personnel (FTE)	77	33.4	72.2	97.5	187.0
Professional (FTE)	77	15.7	34.8	42.7	74.9
Nonprofessional (FTE)	77	14.0	41.0	54.7	120.0
Total operating expenditures	77	$411,743	$748,455	$1,003,763	$1,844,757
Total salaries and wages	77	$206,850	$461,408	$589,911	$1,077,000
Salaries (including salary equivalence of CS personnel)	77	$181,900	$383,651	$504,805	$900,000
Wages of student service	77	$21,654	$55,375	$75,748	$151,117
Wages of other hourly assistance	28	$820	$5,694	$25,734	$71,656
Total other operating expenditures	77	$149,547	$306,031	$413,852	$753,510
Library materials	77	$120,160	$235,459	$327,599	$536,092
Binding	77	$12,000	$26,000	$35,631	$67,172
Other expenditures	77	$11,000	$37,364	$50,620	$101,754
Expenditure per FTE student	77	$36	$57	$61	$91
Expenditure per FTE faculty member	77	$537	$760	$832	$1,295
Library expenditure index	71	2.4	3.8	4.0	6.2

Table 15C.—Averages and measures of variability for volumes, personnel, and operating expenditures of libraries in 4-year private institutions enrolling 10,000 or more students: Aggregate United States, 1963–64

Item (1)	Number of institutions reporting (2)	10 percentile (3)	Median (4)	Mean (5)	90 percentile (6)
Volumes at end of year	26	130,000	690,706	1,190,545	2,416,372
Volumes added	26	11,409	36,280	54,043	101,381
Volumes withdrawn	24	200	1,805	7,644	19,177
Number of all physical units of microtext	24	1,682	47,912	80,973	181,746
Number of microfilm at end of year	22	750	7,136	9,197	25,106
Number of other forms of microtext	21	250	67,488	82,906	175,000
Periodicals currently received	26	1,200	4,518	8,701	20,483
Total number of interlibrary loan transactions	25	191	3,189	4,764	9,700
Number of items loaned	25	50	2,335	3,319	8,500
Number of items borrowed	25	137	1,119	1,444	3,393
Total personnel (FTE)	26	26.5	95.0	119.1	224.5
Professional (FTE)	26	11.0	41.0	48.4	92.5
Nonprofessional (FTE)	26	10.4	57.0	70.6	132.0
Total operating expenditures	26	$291,924	$751,680	$1,144,354	$2,129,434
Total salaries and wages	26	$147,716	$466,493	$680,098	$1,307,420
Salaries (including salary equivalence of CS personnel)	26	$133,100	$381,660	$601,440	$1,189,081
Wages of student service	26	$11,250	$52,500	$67,161	$118,339
Wages of other hourly assistance	8	--------	$12,270	$37,365	--------
Total other operating expenditures	26	$111,400	$312,869	$464,255	$822,014
Library materials	26	$81,469	$256,488	$339,347	$592,662
Binding	23	$3,935	$26,288	$40,521	$107,323
Other expenditures	25	$12,285	$40,269	$92,624	$139,025
Expenditure per FTE student	24	$15	$51	$75	$163
Expenditure per FTE faculty member	24	$300	$647	$720	$1,222
Library expenditure index	20	2.2	3.3	3.3	4.3

Chapter 4
Library Positions and Salaries

The basis for the tables in this chapter (tables 16–28) was Part II of the survey form, in which data on staff positions and salaries were requested. Since a number of libraries did not complete Part II, the total number of chief librarians shown in the tables is less than the total number of libraries (table A), and the numbers in the other positions do not represent all positions in the libraries concerned.

Tables 16–18 indicate the number of reported positions by control and *type of institution*, separately for staff employed 11–12 months, for contributed service staff, and staff employed 9–10 months.

Tables 19–21 show the comparable breakdown of reported positions in *4-year* institutions by control and *enrollment size*. (These tables on enrollment size do not include data on the 2-year institutions, because they are believed to be represented sufficiently well by the data on junior colleges in column 9 of tables 16–18.)

Tables 22–28 show data on 11–12-month salaries for those groups in which a substantial number of libraries provided the requested information. (Data were reported by only 1 private teachers college, by only 3 public and 2 private technological schools, and by no public professional school.) The lowest salary, 10-percentile value, median, mean, 90-percentile value, and highest salary are shown for each of the 6 types of positions.

Public institutions generally pay somewhat higher salaries than private institutions, but this is not true for all types of positions. Table 22 shows, for example, that the highest salaries (column 9) which private universities pay to associate librarians and department heads are somewhat above the highest salaries paid for the same positions by the public universities.

The most marked difference between salaries paid by public and private institutions occurs among junior colleges. With one exception (nonprofessional assistants) the salaries paid by the public junior colleges are relatively high.

Table 16.—Number of 11-12 month library positions, by type of position, control, and type of institution: Aggregate United States, September 1, 1964

Type of position and control (1)	Total (2)	University (3)	Liberal arts (4)	Teachers colleges (5)	Technological (6)	Theological (7)	Other professional (8)	Junior colleges (9)
Public and private, total	21,010	12,825	4,794	1,320	547	448	349	727
Chief librarian or director	1,144	132	475	120	41	93	81	202
Associate or assistant librarian	849	190	362	113	23	41	33	87
Department and division heads	1,930	1,036	586	179	64	36	16	13
Heads of school, college, or department libraries	791	651	78	36	7	3	6	10
All other professional assistants	4,807	3,360	931	268	115	52	46	35
All nonprofessional assistants	11,489	7,456	2,362	604	297	223	167	380
Public institutions, total	11,818	7,807	1,741	1,284	361	--	77	548
Chief librarian or director	459	91	91	113	22	--	10	132
Associate or assistant director	401	128	79	106	13	--	4	71
Department or division heads	1,117	644	242	178	42	--	--	11
Heads of school, college, or department libraries	432	352	37	34	5	--	--	4
All other professional assistants	2,929	2,130	417	263	80	--	18	21
All nonprofessional assistants	6,480	4,462	875	590	199	--	45	309
Private institutions, total	9,192	5,018	3,053	36	186	448	272	179
Chief librarian or director	685	41	384	7	19	93	71	70
Associate or assistant director	448	62	283	7	10	41	29	16
Department or division heads	813	392	344	1	22	36	16	2
Heads of school, college, or department libraries	359	299	41	2	2	3	6	6
All other professional assistants	1,878	1,230	514	5	35	52	28	14
All nonprofessional assistants	5,009	2,994	1,487	14	98	223	122	71

Table 17.—Number of contributed service library positions, by type of position, control, and type of institution: Aggregate United States, September 1, 1964

Type of position and control (1)	Total (2)	University (3)	Liberal arts (4)	Teachers colleges (5)	Technological (6)	Theological (7)	Other professional (8)	Junior colleges (9)
Public and private, total	563	28	344	25	--	85	1	80
Chief librarian or director	271	6	154	16	--	45	1	49
Associate or assistant librarian	107	3	83	2	--	10	--	9
Department and division heads	29	5	22	--	--	2	--	--
Heads of school, college, or department libraries	18	5	9	--	--	3	--	1
All other professional assistants	31	2	22	3	--	2	--	2
All nonprofessional assistants	107	7	54	4	--	23	--	19
Public institutions, total	3	--	--	--	--	--	--	3
Chief librarian or director	2	--	--	--	--	--	--	2
Associate or assistant director	--	--	--	--	--	--	--	--
Department or division heads	--	--	--	--	--	--	--	--
Heads of school, college, or department libraries	--	--	--	--	--	--	--	--
All other professional assistants	--	--	--	--	--	--	--	--
All nonprofessional assistants	1	--	--	--	--	--	--	1
Private institutions, total	560	28	344	25	--	85	1	77
Chief librarian or director	269	6	154	16	--	45	1	47
Associate or assistant director	107	3	83	2	--	10	--	9
Department or division heads	29	5	22	--	--	2	--	--
Heads of school, college, or department libraries	18	5	9	--	--	3	--	1
All other professional assistants	31	2	22	3	--	2	--	2
All nonprofessional assistants	106	7	54	4	--	23	--	18

Table 18.—Number of 9-10 month library positions, by type of position, control, and type of institution: Aggregate United States, September 1, 1964

Type of position and control (1)	Total (2)	University (3)	Liberal arts (4)	Teachers colleges (5)	Technological (6)	Theological (7)	Other professional (8)	Junior colleges (9)
Public and private, total	2,084	100	776	345	10	48	44	761
Chief librarian or director	487	8	113	46	5	22	13	280
Associate or assistant librarian	345	5	136	50	1	5	2	146
Department and division heads	199	20	95	54	1	--	3	26
Heads of school, college, or department libraries	36	7	11	7	--	1	--	10
All other professional assistants	397	30	134	140	2	3	3	85
All nonprofessional assistants	620	30	287	48	1	17	23	214
Public institutions, total	1,163	63	170	336	2	--	1	591
Chief librarian or director	251	4	11	43	2	--	--	191
Associate or assistant director	196	4	23	48	--	--	1	120
Department or division heads	125	13	32	54	--	--	--	26
Heads of school, college, or department libraries	30	7	6	7	--	--	--	10
All other professional assistants	299	27	51	140	--	--	--	81
All nonprofessional assistants	262	8	47	44	--	--	--	163
Private institutions, total	921	37	606	9	8	48	43	170
Chief librarian or director	236	4	102	3	3	22	13	89
Associate or assistant director	149	1	113	2	1	5	1	26
Department or division heads	74	7	63	--	1	--	3	--
Heads of school, college, or department libraries	6	--	5	--	--	1	--	--
All other professional assistants	98	3	83	--	2	3	3	4
All nonprofessional assistants	358	22	240	4	1	17	23	51

Table 19.—Number of 11-12 month library positions in 4-year institutions, by size of enrollment, control, and type of position: Aggregate United States, September 1, 1964

Type of position and control	Total	Enrollment size					
		Less than 500	500–999	1,000–2,499	2,500–4,999	5,000–9,999	10,000 or more
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Public and private, total	17,664	703	948	2,153	2,415	3,080	8,365
Chief librarian or director	882	183	189	245	116	78	719
Associate or assistant librarian	729	91	135	218	88	70	127
Department and division heads	1,723	36	72	309	334	395	577
Heads of school, college, or department libraries	795	4	9	39	82	148	513
All other professional assistants	4,102	73	138	335	526	672	2,358
All nonprofessional assistants	9,433	316	405	1,007	1,269	1,717	4,719
Public institutions, total	10,079	103	180	661	1,507	1,598	6,030
Chief librarian or director	315	14	33	77	85	51	55
Associate or assistant director	307	7	26	70	58	44	102
Department or division heads	985	5	6	96	225	238	415
Heads of school, college, or department libraries	453	3	4	13	26	63	344
All other professional assistants	2,624	15	31	106	353	334	1,785
All nonprofessional assistants	5,395	59	80	299	760	868	3,329
Private institutions, total	7,585	600	768	1,492	908	1,482	2,335
Chief librarian or director	567	169	156	168	31	27	16
Associate or assistant director	422	84	109	148	30	26	25
Department or division heads	738	31	66	213	109	157	162
Heads of school, college, or department libraries	342	1	5	26	56	85	169
All other professional assistants	1,478	58	107	229	173	338	573
All nonprofessional assistants	4,038	257	325	708	509	849	1,390

Table 20.—Number of contributed service library positions in 4-year institutions, by size of enrollment, control, and type of position: Aggregate United States, September 1, 1964

Type of position and control	Total	Enrollment size					
		Less than 500	500–999	1,000–2,499	2,500–4,999	5,000–9,999	10,000 or more
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Public and private, total	805	181	137	94	21	323	49
Chief librarian or director	222	100	63	43	9	4	3
Associate or assistant librarian	86	20	35	22	1	4	4
Department and division heads	29	2	8	9	1	1	8
Heads of school, college, or department libraries	14	3	1	2	4	4	--
All other professional assistants	145	8	11	11	--	105	10
All nonprofessional assistants	309	48	19	7	6	205	24
Public institutions, total	44	--	--	--	--	--	44
Chief librarian or director	1	--	--	--	--	--	1
Associate or assistant director	2	--	--	--	--	--	2
Department or division heads	7	--	--	--	--	--	7
Heads of school, college, or department libraries	--	--	--	--	--	--	--
All other professional assistants	10	--	--	--	--	--	10
All nonprofessional assistants	24	--	--	--	--	--	24
Private institutions, total	761	181	137	94	21	323	5
Chief librarian or director	221	100	63	43	9	4	2
Associate or assistant director	84	20	35	22	1	4	2
Department or division heads	22	2	8	9	1	1	1
Heads of school, college, or department libraries	14	3	1	2	4	4	--
All other professional assistants	135	8	11	11	--	105	--
All nonprofessional assistants	285	48	19	7	6	205	--

Table 21.—Number of 9–10 month library positions in 4-year institutions, by size of enrollment, control, and type of position: Aggregate United States, September 1, 1964

Type of position and control	Total	Enrollment size					
		Less than 500	500–999	1,000–2,499	2,500–4,999	5,000–9,999	10,000 or more
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Public and private, total	1,293	169	334	357	246	97	90
Chief librarian or director	210	63	71	46	23	4	3
Associate or assistant librarian	202	29	78	58	29	4	4
Department and division heads	186	3	29	55	49	27	23
Heads of school, college, or department libraries	45	1	3	8	21	3	9
All other professional assistants	276	15	35	71	74	48	33
All nonprofessional assistants	374	58	118	119	50	11	18
Public institutions, total	553	3	32	134	211	93	80
Chief librarian or director	65	3	9	28	19	3	3
Associate or assistant director	79	--	11	34	27	4	3
Department or division heads	107	--	--	23	42	27	15
Heads of school, college, or department libraries	31	--	--	4	16	3	8
All other professional assistants	178	--	5	22	71	47	33
All nonprofessional assistants	93	--	7	23	36	9	18
Private institutions, total	740	166	302	223	35	4	10
Chief librarian or director	145	60	62	18	4	1	--
Associate or assistant director	123	29	67	24	2	--	1
Department or division heads	79	3	29	32	7	--	8
Heads of school, college, or department libraries	14	1	3	4	5	--	1
All other pforessional assistants	98	15	30	49	3	1	--
All nonprofessional assistants	281	58	111	96	14	2	--

Table 22.—Averages and measures of variability for 11–12 months salaries in university libraries, by type of position and control: Aggregate United States, September 1, 1964

[Salary data in dollars]

Type of position and control	Number of institutions reporting	Number of positions	Lowest salary	10 percentile	Median	Mean	90 percentile	Highest salary
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Public and Private								
Chief librarian or director	26	126	-----	9,650	13,458	13,848	18,388	22,900
Associate or assistant librarian	--	172	6,275	7,578	10,086	10,479	13,862	21,000
Department or division heads	34	856	3,300	6,080	7,818	8,135	10,464	20,500
Heads of school, college, or department libraries	6	648	3,300	5,298	7,356	7,758	10,475	18,000
All other professional assistants	42	2,841	3,200	5,131	6,299	6,466	7,945	12,500
All nonprofessional assistants	47	6,213	1,000	2,286	3,430	3,588	4,936	9,456
Public								
Chief librarian or director	88	88	-----	10,270	13,722	14,218	18,537	22,900
Associate or assistant librarian	69	120	6,275	8,135	10,437	10,731	13,585	16,500
Department or division heads	87	557	3,300	6,292	8,275	8,421	10,720	17,300
Heads of school, college, or department libraries	62	372	3,300	5,258	7,557	7,824	10,661	18,000
All other professional assistants	91	1,918	3,200	5,193	6,474	6,579	8,066	12,000
All nonprofessional assistants	93	3,966	1,740	2,301	3,507	3,626	4,982	9,456
Private								
Chief librarian or director	38	38	-----	8,760	12,000	13,000	17,366	22,000
Associate or assistant librarian	31	52	6,400	7,600	9,111	9,903	14,900	21,000
Department or division heads	47	299	4,100	5,715	7,245	7,608	9,439	20,500
Heads of school, college, or department libraries	44	276	4,000	5,321	7,149	7,670	9,970	18,000
All other professional assistants	51	923	3,500	5,052	5,914	6,232	7,569	12,500
All nonprofessional assistants	54	2,247	1,000	2,262	3,312	3,520	4,820	7,500

Table 23.—Averages and measures of variability for 11-12 months salaries in liberal arts college libraries by type of position and control: Aggregate United States, September 1, 1964

[Salary data in dollars]

Type of position and control (1)	Number of institutions reporting (2)	Number of positions (3)	Lowest salary (4)	10 percentile (5)	Median (6)	Mean (7)	90 percentile (8)	Highest salary (9)
Public and private								
Chief librarian or director	121	121	-----	4,540	6,520	6,797	9,380	13,000
Associate or assistant librarian	103	122	2,700	3,876	5,200	5,299	7,100	9,500
Department or division heads	53	107	3,238	4,352	6,326	6,247	7,973	9,718
Heads of school, college, or department libraries	12	17	5,680	-----	6,357	6,029	-----	8,200
All other professional assistants	67	123	3,000	3,537	5,451	5,369	6,988	7,937
All nonprofessional assistants	121	254	1,000	2,230	3,154	3,224	4,307	5,653
Public								
Chief librarian or director	12	12	-----	-----	8,666	8,666	-----	13,000
Associate or assistant librarian	11	12	4,500	-----	6,500	6,750	-----	9,500
Department or division heads	13	46	4,554	5,433	7,133	7,065	8,600	9,718
Heads of school, college, or department libraries	5	11	5,680	-----	6,700	6,681	-----	8,200
All other professional assistants	14	44	3,762	4,850	6,421	6,284	7,600	7,937
All nonprofessional assistants	14	38	2,300	2,330	3,652	3,644	4,861	5,600
Private								
Chief librarian or director	109	109	-----	4,460	6,369	6,591	8,853	11,500
Associate or assistant librarian	92	110	2,700	3,692	5,083	5,140	6,785	8,010
Department or division heads	40	61	3,238	4,123	5,593	5,631	7,445	7,600
Heads of school, college, or department libraries	7	6	-----	-----	5,000	4,833		6,800
All other professional assistants	53	79	3,000	3,053	5,046	4,860	6,137	7,000
All nonprofessional assistants	107	216	1,000	2,219	3,096	3,150	3,973	5,653

Table 24.—Averages and measures of variability for 11-12 months salaries in public teachers college libraries by type of position Aggregate United States, September 1, 1964

[Salary data in dollars]

Type of position (1)	Number of institutions reporting (2)	Number of positions (3)	Lowest salary (4)	10 percentile (5)	Median (6)	Mean (7)	90 percentile (8)	Highest salary (9)
Public								
Chief librarian or director	47	47	-----	6,540	8,607	8,712	11,150	12,519
Associate or assistant librarian	32	62	4,500	5,433	7,000	7,080	8,655	12,686
Department or division heads	12	46	5,100	6,520	8,166	8,173	9,763	10,005
Heads of school, college, or department libraries	9	14	4,500	-----	6,800	6,857	-----	8,500
All other professional assistants	32	112	4,325	5,400	6,930	7,133	9,225	13,607
All nonprofessional assistants	14	46	2,353	2,460	3,769	3,760	4,962	6,108

Table 25.—Averages and measures of variability for 11-12 months salaries in public and private technological school libraries by type of position: Aggregate United States, September 1, 1964

[Salary data in dollars]

Type of position (1)	Number of institutions reporting (2)	Number of positions (3)	Lowest salary (4)	10 percentile (5)	Median (6)	Mean (7)	90 percentile (8)	Highest salary (9)
Public and private								
Chief librarian or director	5	5	-----	-----	7,750	7,700	-----	8,600
Associate or assistant librarian	3	3	-----	-----	6,750	7,833	-----	10,680
Department or division heads	2	4	6,000	-----	7,000	7,250	-----	8,460
Heads of school, college, or department libraries	1	3	6,900	-----	7,500	7,500	-----	8,304
All other professional assistants	1	1		-----	5,500	5,500	-----	5,280
All nonprofessional assistants	2	10	3,600	-----	4,000	3,850	-----	4,992

Table 26.—Averages and measures of variability for 11–12 months salaries in private theological school libraries by type of position: Aggregate United States, September 1, 1964

[Salary data in dollars]

Type of position (1)	Number of institutions reporting (2)	Number of positions (3)	Lowest salary (4)	10 percentile (5)	Median (6)	Mean (7)	90 percentile (8)	Highest salary (9)
Private								
Chief librarian or director	17	17	-----	-----	3,888	4,470	-----	7,800
Associate or assistant librarian	5	6	3,050	-----	4,333	4,166	-----	5,550
Department or division heads	0	-----	-----	-----	-----	-----	-----	-----
Heads of school, college, or department libraries	0	-----	-----	-----	-----	-----	-----	-----
All other professional assistants	0	-----	-----	-----	-----	-----	-----	-----
All nonprofessional assistants	15	22	2,200	2,509	3,047	3,068	3,885	4,300

Table 27.—Averages and measures of variability for 11–12 months salaries in private professional school libraries by type of position: Aggregate United States, September 1, 1964

[Salary data in dollars]

Type of position (1)	Number of institutions reporting (2)	Number of positions (3)	Lowest salary (4)	10 percentile (5)	Median (6)	Mean (7)	90 percentile (8)	Highest salary (9)
Private								
Chief librarian or director	13	13	-----	-----	5,500	5,846	-----	8,500
Associate or assistant librarian	2	2	-----	-----	5,000	5,500	-----	6,300
Department or division heads	0	-----	-----	-----	-----	-----	-----	-----
Heads of school, college, or department libraries	0	-----	-----	-----	-----	-----	-----	-----
All other professional assistants	5	12	3,500	-----	4,600	4,458	-----	5,800
All nonprofessional assistants	9	15	1,535	-----	3,000	3,000	-----	4,000

Table 28.—Averages and measures of variability for 11–12 months salaries in junior college libraries by type of position and control: Aggregate United States, September 1, 1964

[Salary data in dollars]

Type of position and control (1)	Number of institutions reporting (2)	Number of positions (3)	Lowest salary (4)	10 percentile (5)	Median (6)	Mean (7)	90 percentile (8)	Highest salary (9)
Public and private								
Chief librarian or director	264	264	-----	4,297	6,226	6,501	9,316	12,096
Associate or assistant librarian	83	107	3,200	4,247	6,607	6,691	9,572	10,900
Department or division heads	12	26	4,700	6,533	7,900	8,346	10,466	12,104
Heads of school, college, or department libraries	8	6	-----	-----	7,000	7,500	-----	10,196
All other professional assistants	31	65	4,500	4,642	7,833	7,530	9,807	11,110
All nonprofessional assistants	95	136	75	2,242	3,214	3,279	4,472	5,500
Public								
Chief librarian or director	185	185	-----	5,039	6,872	7,135	9,645	12,096
Associate or assistant librarian	65	88	3,200	4,580	7,176	7,119	9,745	10,900
Department or division heads	12	26	4,700	6,533	7,900	8,346	10,466	12,104
Heads of school, college, or department libraries	7	5	-----	-----	9,250	8,100	-----	10,196
All other professional assistants	26	59	4,500	5,580	8,107	7,889	9,853	11,110
All nonprofessional assistants	76	112	75	2,240	3,204	3,263	4,433	5,000
Private								
Chief librarian or director	79	79	-----	3,580	4,951	5,018	6,610	7,500
Associate or assistant librarian	18	19	4,300	-----	4,576	4,710	-----	7,000
Department or division heads	0	-----	-----	-----	-----	-----	-----	-----
Heads of school, college, or department libraries	1	1	-----	-----	-----	-----	-----	4,950
All other professional assistants	5	6	-----	-----	4,250	4,000	-----	4,866
All nonprofessional assistants	19	24	1,500	2,252	3,263	3,354	4,650	5,500

APPENDIX—Reproduction of Survey Form

OE 2039 (REV. 7/64)

DEPARTMENT OF HEALTH, EDUCATION AND WELFARE
OFFICE OF EDUCATION
WASHINGTON D.C. 20202

BUDGET BUREAU NO. 51-R348.4
APPROVAL EXPIRES 3/30/66

SURVEY OF COLLEGE AND UNIVERSITY LIBRARIES, 1963-64

Conducted in collaboration with State library agencies

INFORMATION SUPPLIED BY (NAME)	TITLE	DATE

LEAVE THIS SECTION BLANK

A. TOTAL ENROLLMENT (DC PLUS TO)

	FT UNDERGRAD	PT UNDERGRAD	GRADUATE
B. EST'D %'S			
C. EST'D NUMBERS:			

D. FT FACULTY	E. PT FACULTY	F. FTE FACULTY

TO THE LIBRARIAN

The Office of Education is again gathering basic data on the book collection, staff, expenditures and salaries of college and university libraries. The compilations have proved to be valuable tools for administrators, chief librarians, and others concerned with the improvement of library services to higher education. We shall appreciate your cooperation in supplying information about your library for the fiscal year ending in 1964 by answering the questions on this form. I am happy to say that questions 33 through 35 on facilities, and the other items circled will not be asked again in the near future. Let me stress however, that due to the enactment of the Higher Education Facilities Act of 1963 the section on library facilities is particularly important. Your cooperation is deeply appreciated by all concerned.

Sincerely yours,

John G. Lorenz, Director
Library Services Division

Paxton P. Price, Director
Library Services Branch

GENERAL INSTRUCTIONS:

1. This report should cover all of the library units in your institution, including libraries in branches or extension centers. If it is necessary to omit any unit, please specify its name in the space at the right below.
2. If exact information is not available for any item, please provide an estimate of the required figure. If data are available for a con ation of items but not for each component, make an estimate for each component.
3. For each item in Part I of the questionnaire there should be: (a) an appropriate figure, (b) zero, (c) the symbol NA (not applicable), or (d) a check mark. Use NA only for an item that does not apply to your library. Enter 0 wherever the quantity to be reported is nothing or zero. DO NOT LEAVE ANY ITEMS BLANK.

DOES YOUR INSTITUTION HAVE ANY BRANCH LIBRARIES? ☐ YES ☐ NO *...OR ANY EXTENSION-CENTER LIBRARIES?* ☐ YES ☐ NO

Specify below each branch or extension-center library INCLUDED in this report:	*Specify below each branch or extension-center library EXCLUDED from this report:*
BRANCH LIBRARIES	BRANCH LIBRARIES
EXTENSION-CENTER LIBRARIES	EXTENSION-CENTER LIBRARIES

PAGE 1

PART I - COLLECTION, PERSONNEL, AND EXPENDITURES

Except where indicated otherwise, report for the (12-month) fiscal year 1963-64. Specify here the date on which your fiscal year ends:

MONTH DAY YEAR

A LIBRARY RESOURCES AND SERVICES

a VOLUMES HELD, ADDED AND WITHDRAWN. *For statistical purposes a volume is a physical unit of any printed, typewritten, handwritten, mimeographed or processed work contained in one binding or portfolio, hardbound or paperbound, which has been classified, catalogued, or otherwise prepared for use. Include bound periodical volumes and all non-periodical government documents.* EXCLUDE ALL FORMS OF MICROTEXT *in items (1), (2) and (3).*

1	Number of volumes held at end of year	
2	Number of volumes added during year. Do not subtract volumes withdrawn	
3	Number of volumes withdrawn during year	
4	Number of reels (physical units) of microfilm held at end of year	
5	Number of physical units of other forms of microtext (e.g., microcards, microprints, or microfiches) held at end of year.	

b PERIODICALS. *Exclude non-periodical serials such as monographs, newspapers, annuals, proceedings, transactions, yearbooks and reports. For purposes of this survey a periodical is a publication which is issued in parts and which usually contains articles by several contributors. It generally has a distinctive title and the successive numbers or parts are intended to appear at stated or regular intervals, and usually for an indefinite period.*

6	Number of periodicals titles excluding duplicates being received at end of year	

ⓒ INTERLIBRARY TRANSACTIONS

In items 7 and 8 below, include items supplied as duplicates in lieu of loans, as well as items subject to return.

7	Number of items loaned	
8	Number of items borrowed	
9	TOTAL ——→	

B PERSONNEL

a *Data reported in the following items should be in terms of "FTE" or Full-Time Equivalents. To compute FTE, add total number of hours worked per week by all part-time personnel of each type, and divide by number of hours in your full-time work week. Report these calculations as decimals, converting to nearest tenth of a position. To that sum add number of full-time paid staff members.*

PROFESSIONAL STAFF. Include employees doing work that requires training and skill in the theoretical or scientific aspect of library work, as distinct from its mechanical and clerical aspects.

NONPROFESSIONAL STAFF. Include clerical and subprofessional staff, i.e., employees having less training and skill than professional employees. Do Not include maintenance staff or student assistants.

C FINANCIAL INFORMATION

Include data for all library units. Report expenditures (items 15-29) to the nearest dollar, omitting cents. Provide est. where exact data are not available.

15	Salaries paid to professional staff before deductions	$
16	Salaries paid to nonprofessional staff before deductions	$
17	*(Sum of items 15 and 16)* TOTAL SALARIES PAID ——→	$

Report below the estimated monetary value of library work performed by staff of denominational groups including members of religious orders. The salary equivalents of such staff are to be estimated in terms of the salaries paid to lay staff for similar work.

18	Salary equivalents of contributed-service professional staff	$
19	Salary equivalents of contributed-service nonprofessional staff	$
20	*(Sum of items 18 and 19)* TOTAL SALARY EQUIVALENTS ——→	$
21	Wages paid to student assistants before deductions	$
22	Wages paid to other hourly assistants before deductions	$
23	*(Sum of items 17, 20, 21, & 22)* SUB-TOTAL FOR SALARIES AND WAGES ——→	$
24	*Expenditures for books and other library materials. (Include cost of books, periodicals, newspapers, manuscripts, prints, maps, slides, filmstrips, microprints, microfilms, motion picture films, sound recordings, realia, and other similar material.*	$
25	Expenditures for binding	$
26	*(Sum of items 24 and 25)* SUB-TOTAL FOR BOOKS AND BINDING ——→	$
27	*Other Operating Expenditures. (Include expenditures for supplies, operating equipment, transportation, entertainment, printing, etc. Do not include expenditures for buildings, sites, or costs of building operation and maintenance.*	$
28	*(Sum of items 23, 26, & 27)* GRAND TOTAL ——→	$

29 EXPENDITURES OF YOUR INSTITUTION FOR EDUCATION AND GENERAL PURPOSES. *The figures for this item should be obtained from the comptroller or business officer, and should be consistent with the figure that has been or will be reported to the Office of Education in item 32, "Total education and general expenditures," of Form OE-2000, Financial Statistics of Higher Education, 1963-64," This figure should include expenditures for general administration and general expense, instruction and departmental research, extension and public services, libraries, operations and maintenance of physical plant, ORGANIZED RESEARCH, and organized activities relating to educational departments. Land-grant institutions should include, in addition, expenditures directly related to sales and services of educational departments. Estimate if necessary.*

$ ____________

		TYPE OF EMPLOYEES	FULL-TIME EQUIVALENT PROFESSIONAL	FULL-TIME EQUIVALENT NONPROFESSIONAL
	10	Salaried staff		
	11	Contributed services staff (Work performed by denominational groups or members of religious orders)		
	12	TOTAL		
b	13	How many hours per week was library opened for full-service in fall term of 1963 (exclude pre-examination periods or other special times.)	NO. OF HOURS	

⑭ CHECK THE CLASSIFICATION SCHEME USED IN YOUR LIBRARY:

☐ D.C. ☐ L.C.

☐ OTHER (Specify) ____________

D STUDENT AND OTHER HOURLY ASSISTANCE

30	Number of hours of student assistance during year	
31	Number of hours of other hourly assistance	

㉜ In terms of "faculty status" as defined at your institution, check the ONE category that indicates which staff members of your library have such status.

☐ CHIEF LIBRARIAN ONLY ☐ ALL PROFESSIONAL STAFF INCLUDING CHIEF LIBRARIAN

☐ SELECTED STAFF MEMBERS AND CHIEF LIBRARIAN ☐ NO STAFF MEMBERS

Ⓔ **LIBRARY FACILITIES** *Assistance in completing this section should be obtained from the Director of Physical Plant or the Chief Business Officer. Provide estimated or approximated data if necessary.*

Floor space in square feet is defined for this item as the area of a room based upon measurements taken from inside walls at floor level. Where there are minor architectural projections (less than 12 inches), the distance between typical walls is used. Include areas covered by built-in equipment, such as counters and shelving.

㉝	Total floor space in square feet allocated to library functions in all buildings.	
㉞	Of the total area reported in item 33 above estimate the square feet devoted to each of the following functions:	
a	Stack areas for shelving volumes (include book storage areas)	
b	Seating areas	
c	Staff offices and work area	
d	Other areas (lounges, exhibits, non-book storage, corridors, stairs, etc.)	

LEAVE THIS SPACE BLANK

A. Per student expenditure (item 28/fall 63 OFE) ____________

B. OE/EGE (item 28/item 29) ____________

C. ____________ D. ____________ E. ____________

E *Continued*

㉟ Exclusive of renovation projects, did your institution complete the construction of new library facilities between January 1958 and December 1963?

☐ YES ☐ NO *If yes, provide the following details concerning that construction. Please combine all data if more than one project was completed during this period.*

a	Year(s) completed	
b	Floor space in sq. ft. assigned to library functions	
c	Total expenditures exclusive of site for new library construction. Of this total, estimate the expenditure for each of the following:	$
(1)	Movable equipment (desks, tables, chairs, typewriters, movable shelving and free-standing stacks	$
(2)	Physical (building) construction, including fixed equipment and architectural fees	$
(3)	Landscaping	$

COMMENTS

PART II. STAFF POSITION AND SALARY DATA FOR 1964-65

A FILLED AND UNFILLED PROFESSIONAL POSITIONS FOR WHICH FUNDS HAVE BEEN ALLOCATED FOR 1964-65. Report in terms of full-time equivalent.

36	FILLED	UNFILLED	TOTAL
FTE OF Professional Positions filled as of Sept. 1, 1964			

B Beginning annual salary paid to a library school graduate (fifth-year degree) without experience.

37 a. FOR 9-10 MONTHS	b. FOR 11-12 MONTHS
$ ____________	$ ____________

C. SALARY TABLE FOR STAFF EMPLOYED ON FULL-TIME BASIS FOR AT LEAST 9 MONTHS

INSTRUCTIONS FOR SALARY TABLE

A. Include all library units of your institution. Report data for full-time personnel only, and contract salaries before deductions as of SEPTEMBER 1, 1964.

B. In columns 2 and 3 enter the lowest and highest salaries paid in the given category. In column 4 enter the number of personnel concerned. In columns 5-19, show the number of staff members in the various salary brackets. On each line, make sure that the numbers in columns 5-19 add to the number in column 4.

C. Even though the library of a school, college, branch, or extension center of your institution may be autonomous, its head should be reported in items 41, 47, or 53 (not in items 38, 44, or 50).

D. The findings of this survey will appear in two publications: An "Institutional" report will list information for individual institutions; An "Analytical" report will give data in statistical form, and in such a way that no information for individual institutions will be identified. In case your institution wishes to restrict use of the salary data for a particular category to the analytical report, check the appropriate box in the last column; each line of data checked will be regarded as confidential and will be used only in the analytical report.

E. Whether or not you restrict use of the data to the analytical report, IT IS VERY IMPORTANT TO ALL CONCERNED THAT COMPLETE SALARY INFORMATION BE REPORTED.

TYPE OF POSITION	ANNUAL SALARY		TOTAL NUMBER OF EMPL.	LESS THAN 4,000	4,000 TO 4,999	5,000 TO 5,999	6,000 TO 6,999	7,000 TO 7,999	8,000 TO 8,999	9,000 TO 9,999	10,000 TO 10,999	11,000 TO 11,999	12,000 TO 12,999	13,000 TO 13,999	14,000 TO 15,999	16,000 TO 17,999	18,000 TO 19,999	20,000 OR OVER	CHECK IF FOR ANALYSIS ONLY
	LOWEST	HIGHEST																	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
EMPLOYED 9 - 10 MONTHS																			
38 Chief librarian or director																			☐
39 Associate/assistant librarian																			☐
40 Department and division heads																			☐
41 Heads of school, college or branch libraries																			☐
42 All other professional assistants																			☐
43 All non-professional assistants																			☐
EMPLOYED 11 - 12 MONTHS																			
44 Chief librarian or director																			☐
45 Associate/assistant librarian																			☐
46 Departmental and division heads																			☐
47 Heads of school, college or branch libraries																			☐
48 All other professional assistants																			☐
49 All non-professional assistants																			☐
CONTRIBUTED SERVICES, SALARY EQUIVALENT (11 - 12 MONTHS)																			
50 Chief librarian or director																			☐
51 Associate/assistant librarian																			☐
52 Department and division heads																			☐
53 Heads of school, college or branch libraries																			☐
54 All other professional assistants																			☐
55 All non-professional assistants																			☐

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